Construction News

★ Denotes work advertised in ENGINEERING NEWS.
✚ Denotes contract awarded. The names of bidders awarded contracts are set in CAPITALS.

THE HALF YEAR'S BUILDING RECORD

Recent reports from eight cities on the Pacific Coast complete the figures for the first half year's building operations in 59 of the largest cities. In June plans filed in these 59 cities called for an expenditure of $71,546,000 compared with $69,725,000 in the corresponding month in 1913. This is a gain for June of 2.6%, and is the first gain of any importance recorded this year. For the first six months plans filed called for an expenditure of $367,171,000 compared with $385,958,000 in the corresponding six months of last year. This loss of $18,000,000 was scattered throughout the Eastern States in the first few months of the year and later in the Southern and Pacific Coast States. In the Middle West there has been almost a consistent gain throughout the six months. The decrease expressed in terms of percentage leaves 59 cities in the half year with 4.7%.

In eight cities on the Pacific Coast, the figures for which are given in the accompanying table, the contemplated building operations from plans filed in June aggregated $6,030,000 compared with $7,373,000 in June of 1913. This is a loss of 13.2%. In the first six months the loss was even greater in proportion, amounting to 17%. A large portion of this is due to the filing of building plans in Los Angeles in 1913 but for the first six months San Francisco shows an enormous gain.

PACIFIC COAST STATES

	June 1914	June 1913	First six months of year 1914	1913
Los Angeles, Calif.	$1,682,796	$1,419,784	$8,106,024	$17,008,790
Oakland, Calif.	451,231	464,480	2,438,505	4,467,543
Portland, Ore.	834,435	960,135	4,180,910	7,399,895
Spokane, Wash.	83,025	411,785	545,662	2,187,824
San Diego, Calif.	426,390	1,018,700	1,786,680	4,080,352
San Francisco, Calif.	1,308,882	1,675,554	20,677,675	11,515,236
Seattle, Wash.	1,163,165	897,310	5,883,855	5,219,470
Tacoma, Wash.	80,611	525,884	788,098	1,318,400
Totals	$6,030,535	$7,373,632	$44,407,409	$53,197,510
	Decrease 13.2%		Decrease 17%	

RAILWAYS

West Virginia—Morgantown & Wheeling Ry.—This company plans to construct a line from Blacksville, W. Va., to Wheeling, W. Va., 55 miles. G. C. Sturgiss, Morgantown, W. Va., is interested.

Florida—See item under Alabama.

Florida—Bay, City, Lynn Haven & Northern R.R. See item under Alabama.

Alabama—Alabama Great Southern R.R.—This company is asking for bids for second-track work from Birmingham, Ala., to Grasselli, Ala., 6.4 miles; York, Ala., to Cuba, Ala., 5.45 miles; Meridian, Miss., to Russell, Miss., 6.63 miles. C. Dougherty, Cincinnati, Ohio, is Ch. Engr.

Louisville & Nashville R.R.—This company, it is reported, plans to construct an extension from Lax, Ala., to Decatur, Ala., 14 miles. H. C. Williams, Louisville, Ky., is Engr. Const.

Alabama—The construction of a railroad from the coal fields of Alabama to the Atlantic Coast at Jacksonville, Fla., is under consideration. H. P. Reed, Birmingham, Ala., is interested.

Alabama—Bay City, Lynn Haven & Northern R.R.—This company is being organized by New York and Philadelphia capitalists for the purpose of constructing a railroad to connect Montgomery, Ala., and St. Andrews Bay, Fla. It is proposed to make the Birmingham, Columbus & St. Andrews Bay R.R. part of the route. This road is 38 miles long from Chipley, Fla., to St. Andrews Bay, and is now in the hands of a receiver. Construction immediately in prospect is from Chipley northward to Hartford, Ala., about 28 miles. From Hartford to Montgomery the projected route is via Enterprise and Troy, Ala. It is planned to build terminals at Southport, Fla., the southern end of the existing road, which will include docks, wharves and warehouses. A. D. Campbell, Chipley, Fla., is receiver of the B. C. & St. Andrews Bay R.R. Noted July 9.

Alabama Great Southern R.R.—This company plans improvements at Tuscaloosa to include track extension and depression. C. Dougherty, Cincinnati, Ohio, is Ch. Engr.

Mississippi—Nashville, Shiloh & Corinth R.R.—See item under Tennessee.

Mississippi—Alabama Great Southern R.R.—See item under Alabama.

Mississippi—Columbus Lumber Co.—This company plans to construct a railroad from Columbus, Miss., to Winfield, La. The line will pass through timber lands in Western Alabama recently purchased by the company. The offices of the company are located at Columbus, Miss.

Louisiana—Columbus Lumber Co.—See item under Mississippi.

Tennessee—Nashville, Shiloh & Corinth, R.R.—The citizens of Centreville, Tenn., have voted in favor of issuing bonds for $150,000 to aid this company to construct its proposed line from Nashville, Tenn., to Corinth, Miss. C. C. Thoms, Corinth, Miss., is interested.

Tennessee—Southern Ry.—This company, it is reported, is having surveys made for its proposed cut-off from Bulls Gap, Tenn., to either Newport or Leadvale, Tenn., 20 miles. W. H. Wells, Washington, D. C., is Ch. Engr. Const.

Kentucky—Paducah & Illinois R.R.—This company is making surveys for its proposed railroad from Paducah, Ky., to the site of the proposed bridge over the Ohio River at Metropolis, Ill. Charles Broadbeck, Paducah, is Ch. Engr.

Michigan—Lansing Connecting R. R.—This company has been incorporated to construct a railroad. G. E. Hutchinson, Lansing, is Secy.

Illinois—Paducah & Illinois R.R.—See item under Kentucky.

Wisconsin—Balsam Lake & Eastern R.R.—This company has been incorporated for the purpose of constructing a railroad from Balsam Lake, Wis., to Centuria, Wis., eight miles. Capital, $100,000. Among the incorporators are W. R. Taylor, J. W. Park and H. W. Radcliffe.

Kansas—Missouri Pacific R.R.—See item under Oklahoma.

✚**Nebraska**—Chicago, Burlington & Quincy R.R.—This company has awarded the contract to PETERSEN & CO., Omaha, Neb., for the construction of its proposed cut-off from Yutan, Neb., southeast to Chalco, Neb. The work calls for a 300-ft. trestle over the Elkhorn River and a 1700-ft. trestle over the Platte River. Noted June 4.

✚**Missouri**—Rolla, Ozark & Southern R.R.—This company has awarded the contract to J. E. WALKER, Rolla, Mo., for constructing its proposed line from Rolla to Anutt, Mo., 18 miles. Noted July 2.

Missouri—Kensas City, Mexico & Orient Ry.—A committee representing the bondholders of this company purchased the line, July 6, for $6,000,000. The receivership will end Sept. 1 and the road will be completed. William T. Kemper, of Kansas City, Mo., is amon gthose interested.

Texas—Gulf, Colorado & Sante Fe Ry.—This company has taken over the Concho, San Saba & Llano Valley R.R., the Texas & Gulf R.R., the Gulf & Interstate R.R. and the division of the Pecos & Northern Texas Ry. south of Sweetwater, Tex. F. Merritt, Galveston, Tex., is Ch. Engr.

Oklahoma—Missouri Pacific R.R.—The city of Buffalo, Okla., has voted to issue $100,000 in bonds to secure the extension of this company's line from Hardtner, Kan., to Buffalo. J. R. Stephens, St. Louis, Mo., is Ch. Engr.

Oklahoma—Clinton, Oklahoma & Western Ry.—This company has been taken over, it is reported, by Frank Kell, Wichita Falls, Tex., who plans to construct extensions. The line is 52 miles long and runs from Clinton, Okla., to Strong City, Okla.

✚**Idaho**—Intermountain R.R.—This company has awarded a contract to the OREGON BRIDGE & CONSTRUCTION CO., for constructing a portion of its proposed line in the Boise Basin. The company is a subsidiary of the Boise-Payette Lumber Co. Noted Apr. 16.

Washington—Northern Pacific Ry.—This company plans to construct a freight yard to have 15 tracks, at the head of Commencement Bay, Tacoma, Wash. Estimated cost, $197,000. W. L. Darling, St. Paul, Minn., is Ch. Engr.

Washington—Northern Pacific Ry.—This company will spend $375,000 for track improvements in Tacoma, Wash.

British Columbia—Canadian Northern Ry.—This company will start work this month on its Kamloops-Okanogan branch, in British Columbia. Length, about 148 miles. W. H. McLeod, Winnipeg, Man., is Gen. Mgr. and Ch. Engr.

Canadian Pacific Ry.—The Provincial Department of Railways has approved the plans of this company, providing for a further extension of its line on Vancouver Island, to Duncan Bay. F. W. Peters, Vancouver, B. C., is Supt. British Columbia Division.

ELECTRIC RAILWAYS

Elizabeth, N. J.—The Board of Trade is considering the establishment of an electric railway to connect Elizabeth, Rahway and Linden.

Girardville, Penn.—The Schuylkill Ry. Co. contemplates the extension of its lines into Delano and Lakeside. William S. Leib, Girardville, is Gen. Mgr.

Kane, Penn.—Plans are being prepared for the construction of an electric railway from Kane to St. Mary's, Johnsonburg and Ridgway, about 33 miles.

Rock Hill, S. C.—The Carolina Traction Co. is preparing to extend its line on Elm, Park and Crawford Sts. in Rock Hill. James S. White, Rock Hill, is Secy. and Mgr.

Albany, Ga.—The Albany Transit Co. contemplates the construction of a one-mile extension to its line. J. C. Fulford, Albany, is Secy. and Pur. Agt.

Savannah, Ga.—The City Council has granted a franchise to the Savannah Electric Co. to extend its line on Habersham St. to connect with the line at Chatham Crescent. A. L. P. Smith, Savannah, is Pur. Agt. Noted July 2

Columbus, Miss.—The Mississippi Electric Ry. Co. has been incorporated to build an electric line from Columbus, Miss., to Memphis, Tenn. C. F. Sherrod, Columbus, is interested.

Nashville, Tenn.—The Cumberland Valley & Interurban Electric Ry. Co. is making preliminary arrangements for the construction of an electric railway to connect Nashville and Sparta, via Smithville, about 80 miles. W. G. Baird, Lebanon, is Pres.

Middlesboro, Ky.—W. Godfrey Hunter, Middlesboro, is interested in the construction of a five-mile electric railway in Middlesboro and vicinity.

Ironton, Ohio—Preliminary arrangements are being made by the Ironton Electric Light & Ry. Co. for the extension of its line from Sciotoville to Hanging Rock. W. W. Magoon, Huntington, W. Va., is Gen. Mgr.

✚**Hillsdale, Mich.**—The Tri-State Ry. Co. has awarded a contract for the construction of its line from Hillsdale to Pioneer to A. C. LINGBACH & CO., Chicago, Ill. Noted June 11.

Beardstown, Ill.—The Western Illinois Ry. Co. is making preliminary surveys for the construction of an electric railway from Beardstown, Ill., to Burlington, Iowa. G. T. Cappel, Augusta, Ill., is interested.

Pekin, Ill.—(Official)—See item under Miscellaneous: Drainage District Work—Pekin, Ill.

Madison, Wis.—The Janesville & Madison Traction Co. has completed arrangements and will soon start work on the construction of its proposed electric railway to connect Madison and Janesville. Frank H. Weston, Madison, is interested. Noted Mar. 19.

Baxter Springs, Kan.—The Oklahoma-Kansas Ry. Co. is considering plans for the construction of an electric railway to connect Newkirk, Ponca City, Arkansas City, Blackwell, Enid, Perry, Guthrie, Guedo Springs and Tonkawa. C. F. Lambert, Kansas City, is Ch. Engr.

Salina, Kan.—The Council has granted a franchise to the Salina Street & Interurban Ry. Co. to extend its lines in Salina. H. C. Smither is Pres.

Wichita, Kan.—The Arkansas Valley Interurban Ry. Co. is considering plans for extending its line from Newton to Salina and from Halstead to Wichita. O. A. Boyle, Wichita, is Vice-Pres. and Gen. Mgr.

Columbia, Mo.—F. S. Mordant, Chicago, Ill., is making preliminary arrangements for the construction of an electric railway from Fulton to Montgomery City and Columbia, where a city street car system will be established. Noted June 25.

Mansfield, Mo.—R. S. Wickersham, North Yakima, Wash., is interested in the construction of an electric railway from Mansfield, Mo., to Cotter, Ark.

✚**Dallas, Tex.**—The Eastern Texas Traction Co. has awarded the contract for completing its interurban electric railway between Dallas and Greenville to the STONE & WEBSTER ENGINEERING CORPORATION, Boston, Mass.

El Paso, Tex.—Plans are being prepared by the El Paso Electric Ry. Co. for the extension of its lines in El Paso. H. S. Potter, El Paso, is Gen. Supt.

Texas City, Tex.—The County Commissioners have granted a franchise to the Texas City Street Ry. Co. to extend its lines in Texas City. Thomas J. Davis, Texas City, is Pres.

Oklahoma City, Okla.—C. B. Hale and J. W. Tippon are interested in the construction of a system of interurban electric railway lines in Oklahoma. The proposed railway will connect Oklahoma City, Sapulpa, Bartlesville, Tulsa, Muskogee, McAlester and various other Oklahoma cities.

Los Angeles, Calif.—The City Council has granted a franchise to the Pacific Electric Ry. Co. to construct an elevated railway from the rear of the Pacific Electric Bldg. to San Pedro St. The structure will be of steel. The plans were prepared a year ago and the cost is estimated at $500,000. J. McMillan, Los Angeles, is Gen. Mgr.

The Pacific Electric Ry. Co. contemplates constructing a line across Silver Lake Park from Hill St. It will be a portion of the subway to Santa Monica. J. McMillan is Gen. Mgr.

San Francisco, Calif.—The Bay View Improvement Club has petitioned the Board of Supervisors to extend the municipal electric railway on Potrero Ave. to Hunter's Point dry dock.

San Lorenzo, Calif.—The City Council has granted a franchise to the San Francisco-Oakland Terminal Ry. Utilities Co. to double track its line on Telegraph Road in San Lorenzo. William R. Alberger, Oakland, is Vice-Pres. and Gen. Mgr.

Bridgeburg, Ont.—Surveys are being made for the construction of the proposed electric railway to connect Bridgeburg and Port Colborne.

Ottawa, Ont.—The Morrisburg & Ottawa Electric Ry. Co. is receiving bids for the construction of an electric railway from Ottawa to Chesterfield, about 35 miles. L. Von Sydow is Engr.-in-Charge.

LIGHT, HEAT AND POWER

Hartford, Conn.—The Connecticut Co. is preparing plans for the improvement and extension of its power plant on Commerce St.

✚**Norwalk, Conn.**—The contract for constructing a municipal electric lighting plant has been awarded to MICHAEL J. RIORDAN, Hoyt St. Estimated cost, $19,000. A. N. Paddick, East Norwalk, is the Arch. Joseph B. Rider, 29 Broadway, New York, is the Engr.

★New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids are being received by the Luna Park Amusement Co., Coney Island, for constructing a complete power plant. For details see advertisement under "Contracts To Be Let."

Butler, N. J.—At a recent election bonds for $30,000 were voted, the proceeds of which will be used for the construction of a municipal electric-light plant. Noted June 11.

Birdsboro, Penn.—The construction of a municipal electric-light plant is under consideration.

Lansford, Penn.—Plans are being prepared by Jacoby & Weishampel, Commonwealth Bldg., Allentown, for a brick and concrete power station for the Panther Valley Electric Light Co., at Lansford.

✚**Marion, Penn.**—JOHN P. McSHAIN, 631 North 17th St., Philadelphia, has been awarded the contract for the construction of an addition to the power house at Marion for the Sisters of Mercy. F. Durang & Co. are the Archs.

Hertford, N. C.—See item under "Sewers."

Milledgeville, Ga.—The Oconee River Mills contemplate the construction of a hydro-electric plant in Milledgeville.

Quitman, Ga.—The city is considering the proposition to issue bonds for $40,000, the proceeds of which will be used for the enlargement and improvement of the municipal electric-light plant. A. W. Voight is City Clk.

Gurley, Ala.—H. A. Smith, owner of the local electric-light plant, which was recently destroyed by fire, is considering plans for the reconstruction of the plant.

Winnsboro, La.—Carl Ship is interested in the construction of an electric-light plant at Winnsboro.

Hazard, Ky.—An electric power plant will be constructed by the Perry County Collieries Co., which will establish coal operations near Hazard. W. J. Von Borries, 110 South Seventh St., Louisville, Ky., is interested.

Hazel, Ky.—A committee has been appointed by the Commercial Club to investigate the feasibility of establishing an electric-light plant at Hazel.

✚**Lexington, Ky.**—The contract for the installation of an electric-light plant in the Transylvania University has been awarded to FRANK CORBIN, Lexington.

Archbold, Ohio—Plans are being prepared by the Archbold Electric Light & Power Co. for the construction of a 10-mile transmission line. R. S. Rodenhuis is Gen. Mgr.

Bluffton, Ohio—An expenditure of $20,000 is contemplated for the enlargement and improvement of the municipal electric-light plant and water system.

Cleveland, Ohio—Bids will be received by the Commissioner of Purchases and Supplies, City Hall, until noon, July 17, for erecting a power house for the Cleveland city hospital. W. H. Winans is Secy.

Fremont, Ohio—The Ohio Light & Power Co. contemplates the enlargement and improvement of its plant at Fremont. Frank Espy, Tiffin, is Mgr.

Millersburg, Ohio—The Citizens Light & Power Co. has been incorporated, with a capital stock of $35,000, to construct a light and power plant. The incorporators are G. H. Billman, R. E. Dreyer, W. L. Koch, F. E. Kavanaugh and C. W. Tolad.

Ridgeville, Ohio—The Ridgeville Light & Power Co. will erect a transmission line from Ridgeville to Jewell. D. D. Douty, Defiance, Ohio, is interested.

Spencerville, Ohio—Bonds for $10,000 have been voted, the proceeds of which will be used for the reconstruction of the municipal electric-light plant.

Wyandotte, Mich.—Bonds for $40,000 have been voted, the proceeds of which will be used for the construction of a municipal electric-light plant and water system.

Morris, Ill.—According to press reports the Public Service Co., of Northern Illinois, contemplates an expenditure of $1,000,000 for the construction of a power dam and plant on the Des Plains River, about 10 miles from Morris. George H. Lukes, Chicago, is Gen. Supt.

Wauwatosa, Wis.—L. G. Widule, County Clk., will receive bids at the Court House, Milwaukee, until July 20, for constructing a building and furnishing the equipment for the heating and power plant for the Milwaukee County Tuberculosis Sanitorium at Wauwatosa.

Nashua, Iowa—Plans are being considered by the Cedar Valley Power Co., which recently acquired the local electric-light plant, for the construction of a dam and the improvement of the plant.

Wyoming, Iowa—The Council recently granted a franchise to William G. Dows and associates to construct and operate an electric-light plant at Wyoming.

Cottonwood, Minn.—B. Cleland and E. Hanson have been granted a franchise by the City Council to construct and operate an electric-light plant at Cottonwood.

Lake Benton, Minn.—L. W. Liddle is interested in the installation of an electric-light plant at Lake Benton.

Slayton, Minn.—The Council has granted a franchise to Victor Klinger to construct and operate an electric-light plant in Slayton.

Kansas City, Kan.—The city is considering the proposition to issue bonds for $450,000, the proceeds of which will be used for the construction of a municipal electric-light plant. George Little is City Clk.

Adams, Neb.—Johnson & Johnson, Consult. Engrs., Falls City, are preparing plans for the construction of a municipal electric-light plant at Adams.

Lyons, Neb.—Bonds for $15,000 have been voted, the proceeds of which will be used for the installation of a municipal electric-light plant.

Baker, Mont.—A franchise has been granted to E. G. Heinrich to install and operate an electric-light plant at Baker.

Cabool, Mo.—The citizens recently voted to install a municipal electric-light plant.

Clarence, Mo.—Bonds for $10,000 have been voted, the proceeds of which will be used for the construction of a municipal electric-light plant.

Palmyra, Mo.—(Official)—See item under "Water Supply and Irrigation."

Pattonburg, Mo.—At a recent election bonds for $10,000 were voted, the proceeds of which will be used for the construction of a municipal electric-light plant.

Fort Smith, Ark.—The City Commissioners have instructed the City Electrician to prepare an estimate of the cost of constructing a municipal electric-light plant.

Mena, Ark.—The Century Engineering & Construction Co. is preparing plans for the installation of an electric-light plant in Mena.

Brenham, Tex.—J. J. Campbell and associates will extend their gas distributing system here and make other improvements to the plant.

Cisco, Tex.—The Cisco Gas & Electric Co. which has been organized here with a capital stock of $50,000 will construct an electric-light and power plant at Cisco. The incorporators are W. S. Michael, W. H. Tebbs and G. G. Ward.

Henrietta, Tex.—The Lone Star Gas Co., Fort Worth has increased its capital stock from $3,500,000 to $4,500,000 in order to provide funds for constructing a large gas compressor at Henrietta.

Marble Falls, Tex.—The proposition to issue bonds for the construction of a municipal electric-light plant and a waterworks system will soon be submitted to a vote of the taxpayers.

+Mexia, Tex.—The Mexia Water, Light & Power Co. has awarded the contract for the construction of a new power plant to CARL KAUHL. It is planned to spend about $25,000 in improvements.

Temple, Tex.—The Texas Power & Light Co. will install new machinery and make other improvements to its electric power plant at Temple. E. S. Fletcher, Temple, is Local Mgr.

Lordsburg, N. M.—The Eighty-five Mining Co. is constructing a new power plant at its mine near Lordsburg.

Monroe, Wash.—The plant, and franchise of the Monroe Water & Light Co. has been taken over by the Monroe Water Co., Seattle. Considerable improvements and extensions will be made to the plant. Sidney Marshall, Monroe, is Pres. and Gen. Mgr. of the new firm.

Santa Paula, Calif.—The State Railroad Commission has granted permission to the Ojai Power Co. to issue capital stock to the extent of $19,200 for improvements to the power plant. The proceeds are to be used for the purchase of additional electric equipment to cost $10,920, while $6200 will be expended on extensions and betterments, and $2080 used for the erection of new buildings.

BRIDGES

Buffalo, N. Y.—Plans and specifications for the bascule bridge to be constructed across the Buffalo River at Abbott Road have been completed. Francis G. Ward is Com. Pub. Wks.

+Paterson, N. J.—The Board of Chosen Freeholders of Passaic County has awarded the contract to the LOGAN CONSTRUCTION CO., 11 Broadway, New York, for constructing four highway bridges in Passaic County.

Cranford, N. J.—(Official)—Bids will be received until 2:30 p.m., July 24, by Jacob L. Bauer, County Engr., Elizabeth, N. J., for constructing a steel plate-girder bridge, 70-ft. span and 50 ft. wide, over the Rahway River at Springfield Ave., near Hampton St., Cranford.

+New Gretna, N. J.—(Official)—Bids will be received until 11.30 a.m., July 31, by the Board of Chosen Freeholders, Mount Holly, for constructing a reinforced concrete pile bridge with bascule span over Bass River at New Gretna. James Logan is County Engr.

Butler, Penn.—A viaduct, 741 ft. long, will be constructed over the tracks of the Baltimore & Ohio R.R. and the Bessemer & Lake Erie Ry. The cost will be divided among the city, the above railroads and the Butler Passenger Ry.

Forest City, Penn.—The County Commissioners plan to construct a viaduct on the new county road between Forest City, Penn., and Carbondale, Penn., over the tracks of the Erie R.R., Delaware & Hudson Co., and the New York, Ontario & Western Ry. Estimated cost, $70,000.

+Nanticoke, Penn.—(Official)—Bids were received, June 26, by F. R. Hendershot, County Controller, Wilkes-Barre, for constructing the proposed bridge between Nanticoke and West Nanticoke, over the north branch of the Susquehanna River. The contract has been awarded to the DRAVO CONTRACTING CO., Pittsburgh, Penn., at $278,500. Other bids were: D. M. Rosser Co., Kingston, Penn., $293,500; G. H. Beimard, Bloomsburg, Penn.; $289,500; Penn Bridge Co., Beaver Falls, Penn., $288,300; Whittaker & Diehl, Harrisburg, Penn., $283,847; James McLinden & Co., Anglesea, N. J., $281,835; Lathrop, Shea & Henwood, Scranton, Penn., $291,400; P. J. Carlin Construction Co., New York, N. Y., $281,500; engineer's estimate, $281,692.

Scranton, Penn.—The City Council, June 27, decided to construct the proposed Leggett's Creek Bridge. Estimated cost, $6000. J. D. Hayes is Dir. Pub. Wks. Noted July 2.

+York, Penn.—The County Commissioners, York, July 2, awarded the contract to G. A. & F. M. WAGMAN, Dallastown, Penn., for constructing a reinforced concrete bridge over Codorus Creek, at $5775.

Buckingham, Va.—(Official)—Bids will be received until noon, July 24, by G. P. Coleman, State Highway Comr., at Buckingham, for constructing a steel bridge over the Slate River, Buckingham County.

Lynchburg, Va.—The city, Amherst County, the Norfolk & Western Ry., Chesapeake & Ohio Ry. and the Southern Ry., it is reported have reached an agreement whereby a bridge will be constructed over the James River at Lynchburg.

Palmyra, Va.—(Official)—Bids will be received until noon, July 22, by G. P. Coleman, State Highway Comr., at the office of the Clerk, Palmyra, for constructing a steel bridge over Cunningham Creek.

Goldsboro, N. C.—The town is considering the construction of concrete bridges to cost about $20,000.

+Allisonia, Tenn.—The Louisville & Nashville R.R. Co. has awarded the contract to the MEACHAM CONTRACTING CO., Hopkinsville, Ky., for constructing a 60-ft. concrete bridge over its tracks near Allisonia.

+Brentwood, Tenn.—The Louisville & Nashville R.R. Co. has awarded the MEACHAM CONTRACTING CO., Hopkinsville, Ky., the contract for a 90-ft. reinforced concrete arch bridge, 75 ft. high, over its tracks near Brentwood.

+Townsend, Tenn.—The contract has been awarded by the Blount County Commissioners, Marysville, Tenn., to the LUTEN BRIDGE CO., York, Penn., for constructing a three-span reinforced concrete bridge over Little River, near Townsend, at $5000.

+Louisville, Ky.—(Official)—Bids were opened July 7 by the Board of Public Works for constructing the Ellison Ave. Bridge: GEORGE M. EADY, Louisville, $13,257 (awarded contract); Henry Bickel Co., $13,467; G. Robert Gregg, $15,409; Pierce Butler, $16,124; L. W. Hancock Co., $16,403; J. H. Cahill, $17,079. Noted July 2.

Dayton, Ohio—(Official)—Bids will be received until 10 a.m., July 18, by the County Commissioners, Dayton, for bridge work on the Boomershine Bridge. Walter H. Aszling is Secy.

Lebanon, Ohio—Bids will be received until 11 a.m., Aug. 3, by the Warren County Commissioners, Lebanon, for constructing a steel bridge at Nicholson Ford, over Todd's Fork, Washington Township. John M. Mulford is County Audr.

Marysville, Ohio—(Official)—Bids will be received until 1 p.m., July 27, by Charles A. Morelock, County Audr., Marysville, for constructing the Magnetic Springs Bridge.

Wapakoneta, Ohio—Bids will be received until 10 a.m., July 18, by F. W. Langhorst, County Audr., Wapakoneta, for constructing five bridges.

+Richland, Ind.—(Official)—Bids were received, June 27, by the Commissioners of Wayne County for bridge repairs. Contracts have been awarded to ISAAC E. SMITH, Richmond, and the BURKE CONSTRUCTION CO., New Castle, Ind. Noted July 2.

+The contract for constructing the McGrew Bridge has been awarded to the PAN-AMERICAN BRIDGE CO., Newcastle, Ind., at $11,790.

Pekin, Ill.—(Official)—See item under Miscellaneous: Drainage District Work—Pekin, Ill.

+Borea, Wis.—The Wisconsin Highway Commission has awarded the contract to the IOWA BRIDGE CO., Des Moines, Iowa, for constructing a reinforced concrete bridge near Borea, at $5219.

+Rockville, Wis.—Klug & Smith, Mack Block, Milwaukee, Wis., have awarded the contract to PELETT & McMULLEN, Manitowoc, Wis., for a reinforced concrete highway bridge over the Sheboygan River at Rockville, town of Schleswig. The structure will be 80-ft. span. Bids were opened June 25. Noted June 18.

+Charlotte, Iowa—The Clinton County Supervisors, June 25, awarded the contract to the MARSH ENGINEERING CO., Des Moines, Iowa, for constructing a bridge at Charlotte, at $5078.

+Clinton, Iowa—The Clinton County Supervisors, June 25, awarded the contract to H. ANDERSON & SON, Maquoketa, Iowa, for bridge work, at $8266.

Davenport, Iowa—John Malloy, County Engr., has recommended the construction of four new bridges, repairs to 27 bridges and the construction of 46 culverts.

Iowa City, Iowa—The Board of Supervisors of Johnson County has retained B. J. Lambert, of the University of Iowa, Iowa City, to prepare plans for the proposed bridge to be constructed across the Iowa River at Burlington St. Estimated cost, $50,000. Noted June 25.

+Hallock, Minn.—The county has awarded the contract to HELSETH ISOK, Thief River Falls, Minn., for constructing eight bridges and 18 corrugated culverts.

Ivanhoe, Minn.—Bids will be received until July 22 by K. Hansen, County Audr., Ivanhoe, for constructing several bridges and culverts.

Atchison, Kan.—Plans are being prepared for a concrete bridge to be constructed over White Clay Creek at Fourth St. Estimated cost, $10,000. Frank Altman is City Engr.

Erie, Kan.—W. S. Gearheart, State Engr., Manhattan, Kan., is completing plans for four concrete bridges to be constructed in Neosho County, Kan. Noted July 2.

Salina, Kan.—Wilmarth & Zerbe, Engrs., have completed plans for a concrete bridge over Smoky Hill River, at Iron Ave. Estimated cost, $300,000. C. F. Dodds is Chn. City Comr. on Sts. and Alleys. Noted July 9.

Valley Falls, Kan.—The County Commissioners, Valley Falls, plan to repair bridges damaged by floods recently. Estimated cost, $20,000.

Marmouth, Mont.—The County Surveyor of Custer County, Miles City, Mont., is preparing plans for a bridge to be constructed over the Little Missouri River at Marmouth. Estimated cost, $15,000.

+White Sulphur Springs, Mont.—The contract has been awarded by the county to the HENNEPIN BRIDGE CO., Minneapolis, for constructing a bridge at White Sulphur Springs, at $10,000.

+Lake City, Ark.—The contract for constructing 10 steel bridges in connection with work in Drainage Districts 9 and 12, Craighead County, has been awarded to the VINCENNES BRIDGE CO., Vincennes, Ind. The St. Francis Valley Engineering Co., Osceola, Ark., is Engr.

Dallas, Tex.—Bids will be received until Aug. 1 by J. F. Witt, County Engr., Dallas, for constructing three bridges, one across the Trinity River, one across West Fork and one across Elm Fork. Estimated cost, $50,000.

Dallas, Tex.—The Gulf, Colorado & Santa Fe Ry. is considering constructing a viaduct over its tracks at South Merlin St. Estimated cost, $200,000.

✚**Junction, Tex.**—The Commissioners' Court of Kimble County has awarded the contract for constructing two steel bridges, one across the South Llano River and the other across the North Llano River, to the ALAMO CONSTRUCTION CO., San Antonio, Tex.

San Antonio, Tex.—The San Antonio, Uvalde & Gulf R.R. has issued $750,000 in bonds. The proceeds will be used to construct bridges and make other improvements to its line. E. R. Breaker, Pleasanton, Tex., is Ch. Engr.

✚**Buttes, Colo.**—The County Commissioners, Colorado Springs, Colo., have awarded the contract to the PUEBLO BRIDGE CO., Pueblo, Colo., for constructing a reinforced concrete bridge over the Fountain River near Buttes, at $11,680. Noted July 2.

Sante Fe, N. M.—James A. French, State Engr., Santa Fe, has been instructed by the County Commissioners to prepare plans and specifications for a concrete bridge to be constructed on the Santa Fe-Albuquerque Rd.

Seattle, Wash.—Plans have been completed for two steel and concrete piers 90 ft. high and 17x24 ft. at the base for the trunnion bascule bridge to be constructed over the Lake Washington Canal at Montlake Blvd. Estimated cost, $30,000.

✚**Dallas, Ore.**—The county has awarded the contract to the PORTLAND BRIDGE CO., Portland, for constructing a bridge at Dallas, at $9000.

Portland, Ore.—Bids were opened, June 24, by the County Commissioners for constructing the Sandy River Bridge. The bids follow: The Construction Co., $17,748; Portland Bridge Co., $18,348; F. W. Moore, $19,056; Robert Wakefield, $17,900; Coast Bridge Co., $18,274; Globe Contracting Co., $20,249; Ambrose Birdsall Co., $19,700; Elliott Construction Co., $20,500; George H. Griffin, $17,967; C. W. Rayner, $18,700; Pacific Bridge Co., $18,875; Illinois Steel Bridge Co., Spokane, Wash., $19,988. All bidders are of Portland unless otherwise noted.

All of the above bids were rejected. New bids will be received.

Auburn, Calif.—The Commissioners of Placer County, Auburn, plan to construct a bridge across the Bear River. Estimated cost, about $30,000.

✚**Chico, Calif.**—The County Engineer, June 24, awarded the contract to the CHICAGO IRON WORKS, Chicago, for the steel work for the proposed 400-ft. bridge to be constructed across Butte Creek.

De Luz, Calif.—The Board of County Supervisors, Oceanside, Calif., plans to construct a bridge over the San Margarita River at De Luz. Estimated cost, $7000.

✚**Los Angeles, Calif.**—The Board of Public Works has awarded the contract to the RUSSELL-GREEN-FOELL CO., Los Angeles, for constructing the Aliso St. Bridge, at $9362.

Madera, Calif.—The county has rejected all bids for constructing seven reinforced concrete girder bridges. Bids were opened June 20.

Rio Vista, Calif.—Sacramento and Solano Counties plan to construct a bridge across the Sacramento River at Rio Vista. Estimated cost, $120,000.

✚**Sacramento, Calif.**—The city has awarded the contract to the ROSS CONSTRUCTION CO. for constructing the 12th St. Bridge, at $6987.

Sacramento, Calif.—Bids will be received by W. F. McClure, State Engr., until noon, July 29, for the superstructure of two bridges, to be constructed across the Trinity State Road, one bridge, 90-ft. span, to be constructed over Mad River, and the other of two 60-ft. spans, to be constructed over the South Fork of the Trinity River.

San Jose, Calif.—Bids will be received until July 20 by the Board of County Supervisors, San Jose, for constructing a steel highway bridge over Pacheco Creek, between San Benito and Santa Clara counties.

Santa Barbara, Calif.—Frank F. Flournoy, County Surv., has estimated the cost of the bridges to be constructed along the route of the state highway will amount to $132,500. Plans for these structures will be prepared at once and bids asked as soon as possible.

✚**Ottawa, Ont.**—The Dominion Government has awarded contracts for bridges to be constructed along the Intercolonial Ry. as follows: To W. M. LEACY, Prescott, Ont., for the Kamouraska, Ste. Jean, Port Joli, and other bridges, at about $20,500; to R. S. & J. H. HENDERSON, North Bay, Ont., for the River Bras St. Nicholas and River Du Sud Bridges, at $62,155; to W. R. FAWCETT, Temperance Vale, N. B., for the Konchibouquacis River, Barnaby River, Sayabec, Black River and French River Bridges, at $20,527; to R. B. Stewart, Derby Junction, N. B., for the Barnaby River Bridge, at $62,155; to W. R. FAWCETT, Temperance Vale, N. B., for Barney's River Bridge, east crossing and west crossing, at $5356.

Walkerton, Ont.—Bids will be received until July 23 by the city for constructing a 100-ft. extension to the lower municipal bridge. Frank Barber, 57 Adelaide St. East, Toronto, Ont., is Engr.

✚**Vancouver, B. C.**—The Burrard Inlet Tunnel & Bridge Co. has awarded the contract to the FOUNDATION CO., Vancouver, for constructing the proposed bridge over the Second Narrows to connect Vancouver and North Vancouver, at about $2,000,000. Noted Jan. 22, Feb. 12, Apr. 16 and May 7.

Victoria, B. C.—The City Council has approved plans for the proposed bridge to be constructed at Johnson St., at a cost of $450,000. Noted July 2.

WATER SUPPLY AND IRRIGATION

Henniker, N. H.—The town will purchase the Henniker Spring Water Co. and enlarge the system, making it available for fire protection. An appropriation of $50,000 has been made for the purchase.

★**Duxbury, Mass.**—(Official)—Bids will be received by the Board of Water Commissioners of the Fire and Water District until 1 p.m., July 23, for constructing a water system. Percy Walker is one of the Comrs.

North Adams, Mass.—Bids will soon be received for the construction of the Beaman storage reservoir in the Notch District. Bonds for $188,000 have been sold for the construction. Noted Apr. 23 and May 28.

★**North Adams, Mass.**—(Official)—Bids will be received by the Commissioner of Public Works until 2 p.m., July 27, for constructing an earth dam, reservoir and conduit. John Martin is Comr. Noted Apr. 23 and May 28.

✚**Albany, N. Y.**—The contract for furnishing 1250 tons of c.-i. pipe has been awarded by the city to the WARREN FOUNDRY & MACHINE CO., New York, N. Y.

Lyons, N. Y.—(Official)—Bids will be advertised about July 17 for the construction of a pumping plant for the water works. The estimated cost is $140,000. The J. F. Witmer Co., Buffalo, N. Y., is the Engr. Noted June 25.

✚★**New York, N. Y.**—(Official)—The contract for constructing the Ashokan bridge, Town of Olive, has been awarded by the Board of Water Supply to the TRANSIT CONSTRUCTION CO., Mt. Vernon, N. Y., at $114,535. Noted June 4 and 25.

★**New York, N. Y.**—(Borough of Manhattan)—(Official)—Bids will be received by the State Hospital Commission, Capitol, Albany, until 3 p.m., July 27, for repairing the 12-in. water main under the river at the Manhattan State Hospital, Ward's Island. J. H. B. Hanify is Secy.

Niagara Falls, N. Y.—The Ultra Violet Ray Co. proposes to install a purification system at the municipal water works at an estimated cost of $22,000. If it is satisfactory after a year, the city will buy the system.

Belleville, N. J.—(Official)—Bids will be received by the Council until 8 p.m., July 28, for furnishing f.o.b. cars Belleville, 205 tons of 12-in. c.i. water pipe, class B, and 6 tons of special castings. Edward E. Mathes is Town Clk.

Boyertown, Penn.—Pugh & Hubbard, Engrs., have made surveys of the proposed water system for Boyertown. As soon as the State Health Department passes on the plans, work will be started.

Franklin, Penn.—The city contemplates constructing a water system. Test wells are being drilled on the Young farm to determine the purity of the water.

Glenside, Penn.—The Public Service Commission has been applied to by the citizens of Glenside for permission to install a water system.

Harrisburg, Penn.—Bids will be received by H. F. Bowman, Comr. of Public Safety, until July 20 for laying water mains in Front St. between North and Paxton Sts., and in Market St., from Front St. to the subway.

Richmond, Va.—The citizens of North Richmond, a suburb of Richmond, have petitioned the Committee on Public Buildings, Properties and Utilities to extend the water mains to North Richmond.

Hertford, N. C.—See item under "Sewers." Noted under "Water Supply and Irrigation," May 28.

★**Washington, N. C.**—Bids were received June 17 by the Committee on Improvements for making improvements to the water works and electric-light plant. Low bidders are as follows: Tucker & Laxton, Charlotte, N. C., pumping station, power house and reservoir; Pittsburgh Filter Co., Pittsburgh, Penn., filter plant; Case & Cothvan, Atlanta, Ga., sewage pumping station; Porter & Boyd, Charlotte, N. C., sewerage system. Gilbert C. White, Charlotte, is Engr. Noted May 28.

Winston-Salem, N. C.—At a recent election, the citizens voted to spend $50,000 for the improvement of the water system, $50,000 for a sewage disposal plant and $50,000 for paving. G. F. Hinskaw is City Engr.

Charleston, S. C.—The Charleston Water & Light Co. will install, within the next two years, about 5000 water meters. The estimated cost is $75,000.

Manning, S. C.—The citizens contemplate spending $30,000 for the construction of a water system. The Mayor is in charge.

Daytona Beach, Fla.—The date for receiving bids for the construction of a municipal water system has been postponed until further notice. J. B. McCrary Co., Atlanta, Ga., is the Engr. Noted June 11.

Key West, Fla.—Press reports state that the Florida East Coast R.R. contemplates constructing a pipe line to supply water to the lower Florida Keys including Key West.

Tampa, Fla.—The Tampa Water Co., according to press reports, will enlarge its present system by drilling wells and extending its mains.

Tuscaloosa, Ala.—About $80,000 will be spent for the extension of the water system. Morris Knowles, Oliver Bldg., Pittsburgh, Penn., is the Engr.

New Tazewell, Tenn.—The construction of a water system is being considered by the city.

South Pittsburg, Tenn.—The South Pittsburg City Water Co. has been bought by the J. W. Adams Co. The system will be improved and meters will be installed.

Canal Dover, Ohio—R. Winthrop Pratt, Cleveland, Ohio, has been retained by the council to coöperate with George E. Arnold, City Engr., in the preparation of a report regarding the present water works. The report will include recommendations for necessary changes and improvements.

Cincinnati, Ohio—(Official)—Bids will be received by Philip Fosdick, Dir. of Pub. Ser. until noon, July 22 for furnishing c.-i. pipe and special castings for the water system. Noted July 9.

Coshocton, Ohio—The city contemplates constructing a 10,000,000-gal. reservoir, and a water works. Elmer Smith, Service Dir., and Andrew Fisher, City Engr., have prepared a report on the proposed water system.

Defiance, Ohio—The Civic Committee of the Chamber of Commerce contemplates obtaining a pure water supply from Mark Township.

Middletown, Ohio—Pollard & Ellms, Engrs., Cincinnati, have been retained by the city to prepare plans for the construction of a new pumping plant or improving the old one. Noted June 18.

Westport, Ind.—The city will install a water system at an estimated cost of $5500.

Albion, Mich.—The City Council contemplates increasing the city water supply at an estimated cost of $25,000.

Alpena, Mich.—The water system will be improved by the addition of a filtration plant at an estimated cost of about $80,000. W. C. Hoad is Consult. Engr.

Canton, Ill.—Plans have been prepared for the installation of a water system to cost $20,552. M. F. Felix is Mayor.

Carlyle, Ill.—See item under "Sewers."

✚Carrollton, Ill.—The contract for constructing a complete pumping station has been awarded to the ARROW ENGINEERING CO., Star Bldg., St. Louis, Mo., at $31,000. The Caldwell Engineering Co., Jacksonville, is the Engr.

★Chicago, Ill.—Press reports state that the Finance Committee of the Council has rejected all bids received for constructing the Wilson Ave. water tunnel. Noted July 2.

Little York, Ill.—The citizens voted at a recent election to install a water system. The cost will be about $5000.

✚Rockford, Ill.—(Official)—The contract for drilling a well in Hulin Park has been awarded by the Water Department to S. B. GEIGER, Chicago, at $8990. Other bidders were W. H. Cater Contracting Co., $14,400; M. T. Peterson, $11,600 and J. P. Miller, $10,350. Ross P. Beckstrom is Supt. of the Water Works. Bids opened June 27. Noted June 25.

✚Springfield, Ill.—The contract for installing a generator at the municipal water works and electric-light plant has been awarded to the WESTINGHOUSE ELECTRIC & MFG. CO., at $18,650.

Summit, Ill.—(Official)—Bids will be received by the President of the Board of Trustees until 8 p.m., July 23d for the construction of a water system. Plans are on file with Leslie Johnstone, Village Clk. James W. Cook, 237 South LaSalle St., Chicago, is the Engr.

Boyden, Iowa—A municipal water system will be installed by the town. Bonds for this purpose were voted recently.

★Dubuque, Iowa—(Official)—Bids will be received by the Board of Water Works Trustees until 10 a.m., July 29, for the construction of a concrete reservoir with a capacity of 7,500,000 gal. and laying about 2000 ft. of 24 in. c.-i. pipe. Charles Sass is Secy. Bd. of Water Wks. Trustees. Noted June 18.

Hamburg, Iowa—The water system will be extended at a cost of $15,000. Bonds for this purpose have been voted.

✚Duluth, Minn.—The contract for installing a water system at the Minnesota State Experimental farm has been awarded to the WOODMANSE MFG. CO., Freeport, Ill.

Ironton, Minn.—A water system costing $15,000 will be installed at Ironton. Bonds for this purpose have been voted.

Enterprise, Kan.—Bids will be received until noon, Aug. 5, for laying 5500 ft. of 4-in. water mains. Ray E. Corbin is City Clk.

Kansas City, Kan.—An election will be held Aug. 25 to vote on the proposition of issuing $200,000 in bonds for the extension of the municipal water system. George Little is City Clk.

Palmyra, Neb.—(Official)—Bids will be received until noon, July 31, for $10,000 in bonds for a complete water system. W. E. Vaughan is Village Clk. Noted May 21.

Billings, Mont.—Bonds for $450,000 were voted by the citizens for the purchase of the Montana Water Co. The plant will be extended. Noted May 28.

✚★Lewistown, Mont.—The contract for constructing a gravity pipe line has been awarded by the Council to A. M. HOLTER CO., Helena, Mont., at $63,000. Bids opened June 15. Noted May 28.

Melstone, Mont.—An election will be held July 20 to vote on a bond issue of $20,000 for the installation of a municipal water system. Noted Apr. 23.

Missoula, Mont.—The City Council will buy the Missoula Light & Water Co. and will make improvements.

Cassville, Mo.—Improvements to the water works to cost $6000 are contemplated.

✚Kansas City, Mo.—The contract for furnishing 2500 water meters has been awarded by the Fire and Water Board to the BADGER METER CO., Milwaukee, Wis., at $5.25 each.

Monett, Mo.—The city contemplates spending $10,000 for the installation of a water system. The mayor has charge of the work.

Palmyra, Mo.—(Official)—Bonds for $26,000 for the extension of the water system and electric-light plant have been voted, Howard J. Smith, Palmyra, is in charge. Noted July 2.

✚Clarendon, Ark.—Bids were opened June 24 and contracts awarded to McEACHIN & McEACHIN, McAlester, Okla. at $54,705 for the construction of a water works and sewer system. Noted June 4 and 18.

Dallas, Tex.—Bids will soon be received for furnishing 300 tons of six-in. and two tons of four-in. water pipe and 85 6-in., three-way and 15 four-in., three-way hydrants.

San Antonio, Tex.—Bids will be received by the San Antonio Water Co. until Aug. 3 for furnishing two 5,000,000 gal. pumps and steam turbine sand equipment. Noted June 25.

Waco, Tex.—The City Water Commission contemplates drilling an artesian well about 2000 ft. deep. John Davis is City Clk.

Grandville, Okla.—Bonds for $15,000 for a pipe line for the water system have been voted. Noted June 18.

Mannford, Okla.—The construction of a water system is being considered by the city. The Mayor is in charge.

Talihina, Okla.—The installation of a municipal water system costing $16,000 is being considered by the City Council.

✚Mead, Colo.—(Official)—The contract for installing a water system has been awarded to the GORDON & TAYLOR CONSTRUCTION CO., Denver, at $8500. G. H. Sethman, Denver, is Engr. Noted June 25.

Bovill, Idaho—The citizens contemplate installing a water system at an estimated cost of $20,000. The plans include a concrete reservoir and steel mains.

Naco, Ariz.—The Bisbee-Naco Water Co. will reconstruct its water system at Naco. New machinery will be installed.

Seattle, Wash.—The City Council has authorized the laying of water mains in East Harrison St. The estimated cost is $42,474.

Spokane, Wash.—Plans are being prepared for the construction of an auxiliary water station at the pumping plant. The cost is estimated at $100,000.

Baker, Ore.—According to press reports the city will construct two pipe lines estimated to cost $98,000. The money for this work has been appropriated.

✚Eugene, Ore.—The contract for furnishing pipe for the new system of water mains to connect the new reservoir with the old system has been awarded to the CRANE CO., Portland. The contract for laying the pipe has been awarded to the JAMES KENNEDY CO., Portland.

Portland, Ore.—Bids will soon be received for furnishing 20,000 ft. of 2-in. water pipe.

Plans have been prepared for the construction of a dam at Bullrun to enlarge the reservoir. The estimated cost is between $80,000 and $100,000.

✚Los Angeles, Calif.—(Official)—The contract for constructing a water tank and tower has been awarded by the Board of Harbor Commissioners to the DES MOINES BRIDGE & IRON CO., Des Moines, Iowa, at $4090. Noted June 4.

Riverside, Calif.—The Indian Hill Water Co. will install a water system on the Alamo tract ,according to press reports. S. C. Evans, Riverside, is interested.

San Diego, Calif.—The Finance Department will soon receive bids for furnishing 9000 ft. of 16-in. c.i. water pipe. The sum of $16,000 has been apropriated for this purpose.

Englehart, Ont.—The city contemplates constructing a water works and sewer system. The costs is estimated at $40,000.

Orillia, Ont.—The date for receiving bids for the extension of the water system has been extended from July 13 to July 27, and for equipment of the water system from July 27 to Aug. 3. Noted July 2.

Winnipeg, Man.—Bids will be received about Sept. 19 by the Greater Winnipeg Water District for constructing 84 miles of the aqueduct of the Shoal Lake water project. The estimated cost is $8,729,000.

Banff, Alta.—Bids will be received by the Secretary, Department of the Interior, Ottawa, Ont., until July 27, for laying 13,000 ft. of 20-in. steel pipe for the water department.

Burnaby, B. C.—The city has apropriated $50,000 for the improvement of the water system.

Prince Rupert, B. C.—Bids will be received by the City Clerk until July 20 for laying 8000 ft. of 6- to 12-in. pipe.

SEWERS

Boston, Mass.—Bids will be received by the Department of Public Works until July 20, for constructing pipe sewers, and drains in Oakland St., Richmond Road, etc., Dorchester District. L. K. Rourke is Comr.

Milford, Mass.—Press reports state that plans have been adopted for the installation of a sewer system.

Hartford, Conn.—(Official)—The following bids were received by the Board of Contract and Supply for constructing an extension to the Homestead Ave. intercepting sewer (a) concrete, (b) reinforced concrete pipe, (c) vitrified clay block: C. H. Slocomb & Co., (a) $55,461, (b) $56,482, (c) $54,408; Ryan Construction Co., (b) $73,093, (c) $72,838; Stobaugh Construction Co., (a) $88,496, (b) $90,579, (c) $85,509; O'Neil Bros., (c) $88,451; Pierson Engineering & Construction Co., (a) $107,825, (b) $110,051, (c) $110,051.

The following bids were received for constructing sewer in Westbourne Parkway and overflow sewer (a) reinforced concrete pipe, (b) vitrified clay block: C. H. Slocomb & Co., (a) $18,843, (b) $18,555; Ryan Construction Co., (a) $22,376, (b) $22,376; Pierson Engineering & Construction Co., (a) $24,320, (b) $25,408; O'Neil Bros., (a) $29,240. Roscoe N. Clark is City Engr. Noted July 2.

Buffalo, N. Y.—The City Council has ordered the construction of 36-, 33- and 30-in. tile sewers in Montrose and Kenmore Aves. and 18-, 15- and 12-in. tile sewer in Olive St.

Yonkers, N. Y.—The Board of Contract and Supply has awarded contracts for sewer construction as follows: For constructing a sewer in Yonkers Ave. from Vernon Ave. to Overhill Place to JOSEPH L. CUZZO, at $7162. Other bids were: F. A. Cianfaglione, $9927; Guiseppi Di Marco, $9164; O'Rourke Contracting Co., $9045; Pisano & Alexander, $8987; Frank J. Kelly, $8894; Coretsi & Merone, $8216; Joseph Canepi, $8160. For constructing a sewer in Tibbetts Road from McLean Ave. to the Bronx Valley easement to THOMAS GRADY at $7990. Other bids were: F. A. Cianfaglione, $10,500; Joseph Canepi, $9400; Joseph Cianciulli, $8997; Nicholas Mengini, $9700; John L. Hayes, $8800; Frank J. Kelly, $8698; Joseph L. Cuzzo, $8853; John O. Weston, $9000; John Hannifin, $8569; O'Rourke Contracting Co., $8643; James J. Corbalis, $8087. For constructing a sewer in Lawton St. from McLean Ave. to Sherman Ave., and in McLean Ave. from Sherman to Central Aves., to JAMES J. CORBALIS at $26,400. Other bids were from: F. A. Cianfaglione, $36,000; Melloy & Murray, $35,944; Joseph Canepi, $32,000; Pisano & Alexander, $31,980; Frank J. Kelly, $31,787; Nicholas Mengini, $31,130; John L. Hayes, $30,947; Joseph L. Cuzzo, $30,720; O'Rurke Contracting Co., $30,174; John O. Weston, $28,500. For a sewer in Saw Mill Road to JOHN O. WESTON at $24,242.

Other bids were: F. A. Cianfaglione, $34,000; Molloy & Murray, $30,782; Frank J. Kelly, $31,446; Pisano & Alexander, $28,884; Joseph Canepl, $28,309; Joseph L. Cuzzo, $27,458; Fred E. Gross & Sons, $26,932; O'Rurke Contracting Co., $26,621; John L. Hayes, $27,927; James J. Corbalis, $24,300

★✚Newark, N. J.—Press reports state that the contract for constructing Section 17, northern portion of the main intercepting sewer, has been awarded by the Passaic Valley Sewerage Commissioners to the HARRISON & CRAIG CO., Newark, at $139,200. Noted June 25.

★Plainfield, N. J.—(Official)—Bids for constructing sanitary sewers were received by the City Council from: Di Napoli & Toriello Construction Co., Hackensack, N. J., $26,-896; Kelley-McFeeley Co., Camden, N. J., $32,003; T. Foster Callahan, Elizabeth, N. J., $32,349; Charles A. Peterson, Plainfield, $33,562; Burke & Bonham, Plainfield, $34,130; Mobus Sabocher Co., Plainfield, $34,776; John W. Heller, Newark, $32,217; L. S. Fulton, Elmhurst, L. I., N. Y., $41,956; James L. Fusco, Newark, N. J., $47,191. James T. MacMurray is City Clk. Noted June 18.

Summit, N. J.—Bids will be received by the Common Council until July 21 for constructing storm sewers. Alexander Blair is City Engr.

Harrisburg, Penn.—Press reports tstate that the lowest bid submitted for constructing the sewer in 196th St. was that of G. W. Ensign, Inc., at $5870.

North Wales, Penn.—It is reported that plans have been prepared for a sewer system and sewage disposal plant. Noted Apr. 23.

✚Parsons, Penn.—The contract for installing the proposed sewer system has been awarded to D. M. ROSSER, Wilkes-Barre, Penn., as follows: First district, $17,499; second district, $20,428; third district, $3881.

York, Penn.—Bids will be received by the City Clerk until July 31 for constructing a sanitary outfall sewer and siphon. George A. Warner is City Engr.

Wilmington, Del.—Bids will be received by the Board of Directors, Street and Sewer Department, until July 21 for furnishing the following materials, beginning Aug. 1, for a period of one year: Foreign and domestic portland cement, terra cotta pipes, castings, sewer bricks, bar sand, river paving sand and gravel.

Frederick, Md.—See item under "Streets and Roads."

Hertford, N. C.—J. B. McCrary Co., Atlanta, Ga., has been commissioned to prepare plans for sewer and water-works construction, also for paving and installing lights. The estimated cost is $58,000.

Morehead City, N. C.—The city has commissioned the J. B. McCrary Co., Atlanta, Ga., to prepare plans for installing a sewerage system, estimated to cost $30,000.

★Washington, N. C.—See item under "Water Supply and Irrigation."

Winston-Salem, N. C.—See item under "Water Supply and Irrigation."

✚Augusta, Ga.—The River and Canal Commission has awarded a contract to WILLIAM F. BOWE, at $10,780, for constructing a reinforced concrete 40-in. sewer in Reynolds St. from Eighth to 11th St.

Perry, Fla.—(Official)—The item in the issue of July 9, stating that the city will construct a sewer system and water-works was incorrectly noted. The Town Council contemplates constructing an extension to the water main and sewer. C. L. Brandon is Clk.

Birmingham, Ala.—The City contemplates the construction of about five-miles of 8-, 10-, 12- and 30-in. sewers in the business district. The estimated cost is $20,000. Julian Kendrik is City Engr.

Bids will be received by the Board of Commissioners until 3 p.m., July 21, for the construction of sanitary sewers in East Birmingham, at an estimated cost of $18,000.

✚Mobile, Ala.—The contract for constructing storm sewers and curbs in Spring Hill Ave. from the city limits to Moffat Road has been awarded by the Board of Revenue and Road Commissioners to E. S. LINCH, at $9009. Other bids were: Brandon & Son, (a) concrete pipe, $9966, (b) vitrified pipe, $10,195; C. M. Worthington, (a) $9777; George A. Muths, (a) $10,952, (b) $10,952; Barter & Bailey, (a) $11,208, (b) $11,262; A. E. Perry, (a) $11,741, (b) $11,741.

✚Fayetteville, Tenn.—The contract for constructing a sewer system has been awarded to the GEORGIA ENGINEERING & CONSTRUCTION CO., Clayton, Ga., at $48,447.

Akron, Ohio—Bids will be received by the County Commissioners until July 24 for constructing a sewer system and sewage treatment plant on the Tuberculosis Hospital site, Springfield Lake, Summit County. R. Winthrop Pratt, Hippodrome Bldg., Cleveland, is Engr.

★Canal Dover, Ohio—(Official)—Bids will be received by the Director of Public Service until noon, July 22, for constructing a sewage treatment plant. Plans are on file with R. Winthrop Pratt, Hippodrome Bldg., Cleveland.

Cincinnati, Ohio—Bids will be received by the Director of Public Service, until noon, July 22, for constructing sewers in the ravines between Madison Road and Duck Creek Road. Phillip Fosdick is Dir. of Pub. Service.

Dayton, Ohio—Plans have been completed for constructing a storm sewer in East First St. The estimated cost is $8000. G. C. Cummin is City Engr.

Dover, Ohio—Bids will be received by the Director of Public Service until July 22 for constructing a sewage purification plant. R. Winthrop Pratt, Hippodrome Bldg., Cleveland, is Engr.

✚Madisonville, Ohio—The Director of Public Service has awarded the contract for constructing the sewer in the right-of-way from Prentis St. to Ebersole Ave. to the CONLEY CONSTRUCTION CO. at $74,606. Noted May 21.

Newark, Ohio—The lowest bids submitted for constructing sewers was from A. R. Pitser, as follows: Maple Ave. sewer, $5125; Indiana St., $2068; Gay St., $1051; 10th St., $2946. C. H. Wells is City Engr.

✚Painesville, Ohio—The contract for constructing the sanitary storm sewer in Liberty St. has been awarded to CHAPMAN & GROVER, at $14,733. Noted June 18.

✚The contract for constructing the sanitary sewer in Richmond St. has been awarded to O. M. SEVERSON & Co., Erie, Penn., at $17,183.

Struthers, Ohio—Bids will be received by Jonah Richards, Village Clk., until noon, July 29, for constructing storm and sanitary sewers in Lowell Ave. from Bridge to Center St.

✚Fenton, Mich.—The contract for constructing about one mile of trunk sewers has been awarded by the City Council to WHALEY & EDWARDS, Milan, Mich., at $7137. Noted June 4.

Grand Rapids, Mich.—The lowest bid received by the Board of Public Works for constructing sewers in Buchanan Ave. and other streets was that of Ver Hey & Kloote, at $5206.

Carlyle, Ill.—Bids will be received by the Board of Local Improvements until July 18 for constructing a system of sewers and water mains in Sanitary Sewer District No. 2. F. A. Lietze is Engr.

Carrollton, Ill.—Bids will be received by the Board of Local Improvements until 9 a.m., July 24, for constructing a sanitary sewer system and a disposal plant. The Caldwell Engineering Co., Jacksonville, Ill., is Engr.

✚Elgin, Ill.—(Official)—The contract for constructing about 37,000 lin.ft. of 6- to 15-in. sanitary sewers has been awarded to LOGAN & GIERTZ CONSTRUCTION CO., Elgin, at $22,770. Morgan H. Brightman is City Engr. Noted July 2.

Burlington, Wis.—Bids will be received by the Board of Public Works, until July 18, for constructing 8-in. sanitary sewers in several streets. J. G. Johann is Acting-Secy.

New Glarus, Wis.—(Official)—Bids will be received by Frederick Ott, Village Clk., until July 23, for laying 33 ft. of 10-in.; 1895 ft. 8-in.; 66 ft. 6-in. and 960 ft. 5-in. vitrified pipe sewers, 5 manholes and 2 lampholes. Plans may be had at the Clerk's office, Madison, Wis. W. G. Kirchoffer, 31 Vroman Block, Madison, is Engr.

New London, Wis.—All bids received by the Common Council for constructing sewers and laterals, have been rejected as they exceeded the appropriation. Work will be postponed until next year.

Portage, Wis.—(Official)—See item under "Streets and Roads."

✚Superior, Wis.—The contract for constructing seven sections of the Allouez sewer system has been awarded to RICHES & ANDERSON at $32,000.

✚Superior, Wis.—The contract for constructing a lateral sewer in the alley between Missouri and Maryland Aves. has been awarded by the Board of Public Works to PASTORET & CO., at $11,000. Noted July 2.

✚Montezuma, Iowa—The contract for constructing sanitary sewers in various streets has been awarded to M. TSCHIRGI, Cedar Rapids, at $9628. R. A. Moreland is City Clk.

Webster City, Iowa—Bids will be received by the City Clerk until 7.30 p.m., July 21, for constructing 11,900 ft. of pipe sewers and a disposal plant. The Caldwell Engineering Co., Jacksonville, Ill., is Engr.

Deerwood, Minn.—(Official)—Bids will be received by J. O. Hage, Village Clk., until 2 p.m., July 20, for constructing a sanitary sewer system requiring about 6700 ft. of 15-, 12-, 10- and 8-in. vitrified sewer pipe; also for constructing a septic tank, dosing tank and accessories with and without sand filters. The Oscar Claussen Engineering Co., Commercial Bldg., St. Paul, Minn., is Engr.

✚Stillwater, Minn.—(Official)—The contract for constructing sewers in Maple and Elm Sts. has been awarded to WILLIAM DANFORTH, Hackney Bldg., St. Paul, Minn. ,at $5200. Other bids were: McGee & Nolan, Stillwater, $5825; Doherty & Son, St. Paul, $6498. Charles A. Lanmers is City Clk. Noted July 2.

Gallatin, Mo.—Tuttle & Pike, Shubert Theatre Bldg., Kansas City, Mo., are preparing plans for a sewer system estimated to cost $25,000.

Blytheville, Ark.—Bids will be received by the Board of Commissioners, District No. 1, until July 30, for constructing sewers. R. C. Huston, Memphis, Tenn., is Ch. Engr.

Eufaula, Okla.—The lowest bid submitted for completing the sewer system was that of the Tonkawa Construction Co., at $7230, for constructing the sewer to the outlet into Oldtown Creek and $10,450 for completing sewer to the river.

Olympia, Wash.—The City Council will construct a trunk sewer in Chestnut St. and in Central Ave. The estimated cost is $10,000.

Seattle, Wash.—The City Council has decided to construct sewers in various streets. A. H. Dimock is City Engr.

Portland, Ore.—All bids received by the City Council for constructing a sewer in East 55th and East Oak Sts. have been rejected. Bids for the work will be readvertised. Noted June 25 and July 9.

Long Beach, Calif.—(Official)—Bids will be received by the Board of Public Works, until noon, July 22 for the construction of an outfall sewer system and sewage disposal plant. The estimated quantities are: 2640 ft. of 10-in. sewer; 6138 ft. of 12 in.; 8381 ft. of 18-in.; 2532 ft. of 20-in.; 7989 ft. of 22 in.; 1320 ft. of 24-in.; 1145 ft. of 27-in.; 16,267 ft. of 30-in.; 5000 ft. of 33-in.; 1200 ft. of 48-in.; 167 manholes: disposal tanks; pumps; 1100 ft. of 36-in. c.-i. ocean outlet. F. S. James is Pres. of the Board.

✚Los Angeles, Calif.—(Official)—The contract for constructing the Alameda St. storm sewer, including paving the street, has been awarded to T. J. SHEA, 1800 Oxford Ave., Los Angeles, at $187,665. Horace B. Ferris is Secy. Bd. of Pub. Wks. Noted June 11.

✚Sacramento, Calif.—The contract for installing machinery at the sewer station has been awarded by the City Commission to the POWER EQUIPMENT CO., Rialto Bldg., San Francisco, at $38,400. M. J. Desmond is City Clk. Noted July 2.

GARBAGE

Clarksdale, Miss.—Bids will be received until July 23 by the City Commisioners for constructing a garbage incinerator capable of serving a population of 6000. M. W. Purnell is City Clk.

STREETS AND ROADS

Boston, Mass.—Bids will be received until July 17 by the Public Works Department for asphalt and bituminous pavement on Appleton, Chandler and Clarendon Sts. L. K. Rourke is Comr.

Bids will be received until July 21 by the Public Works Department for granite block paving on Shirley St., Roxbury District.

Bids will be received until July 21 by the State Highway Commission for the construction of 3200 lin.ft. of road in Saugus. Arthur W. Dean, 15 Ashburton Place, is Ch. Engr.

✚The State Highway Commission has awarded the following contracts for road construction: For 4200 lin.ft. macadam road in Peabody to T. A. MOYNIHAN, Hamilton, at $10,409. Other bids were: D. Linehan & Sons, Beverly, $11,204; D. J. Sheehan, Lynn, $11,563; J. E. Watkins, Amesbury, $11,714; F. E. Ellis, Melrose, $12,457; Rowe Contracting Co., $11,620; J. Wagenbach & Sons, $12,683; Middlesex Contracting Co., Putnam, Conn. ,$12,958; J. A. Gaffey, Medford, $13,720; C. L. Hoffman & Son, Melrose, $13,920.

The work at Pittsfield was awarded to the LANE CONSTRUCTION CORPORATION at $18,795. Other bids were: Rowe Contracting Co., $18,230; Hyde, Crowe & Walsh, $19,870; Horne Lowe Co., $19,898; O. T. Benedict, $20,265; L. W. Menaquale, $20,965.

For 16,500 lin.ft. macadam road in Williamstown to L. C. CORCHIER, Boston, at $19,356. Other bids were: Middlesex Contracting Co., $20,696; R. W. Emerson, Pittsfield, $21,245; F. J. Mague, West Newton, $21,556; Lane Construction Corporation, Meriden, Conn., $21,773; Hyde, Crowe & Walsh, Pittsfield, $21,846; W. L. Camarco, Lee, $23,380; W. R. Pratt, Dalton, $24,446; O. T. Benedict, Pittsfield, $24,936; Way & Cellilli, Springfield, $26,417; Horne Lowe Contracting Co., Millbury, $26,609; Cordner, Montague & Co., $28,970.

For 6000 lin.ft. of gravel road at Sudbury, the bids were: Doherty & Sweeney, Somerville, $4587; B. Perini & Co., Ashland, $4823; Framingham Contracting Co., Framingham, $5911; J. A. Gaffey, Medford, $6121; F. J. Mague, West Newton, $6177; Rowe Contracting Co., Boston, $6188; William H. Ellis & Sons Co., East Boston, $6360; Beaver Construction Co., Boston, $7051. No award.

For 5000 lin. ft. of tar macadam road in Great Barrington the bids were: L. W. Menequa Co., Stockbridge, $6315; W. J. Peer, Great Barrington, $6662; N. E. Contracting Co., Worcester, $6725; Lane Construction Co., Meriden, Conn., $6830; O. T. Benedict, Pittsfield, $7625; Horne-Lowe Contracting Co., $7638; W. J. Donovan, Fitchburg, $7790; W. L. Camarco, $7890; O. W. Ruckle, Providence, R. I., $8000; Natale di Acco & Co., Gardner, $8156; W. R. Pratt, Dalton, $8190. No award.

★Greenwich, Conn.—(Official)—Bids will be received by the Highway Commission until 3 p.m., July 20, for laying about 30,000 sq.yd. of concrete pavement on parts of North St. and Hill Road. Charles T. Wills is Comr.

✚Hartford, Conn.—Contracts for state road work have been awarded by the State Highway Commission as follows:

Essex Township, a section of native stone resurfacing on the Westbrook Road, to FRANK ARRIGONI & BRO., Middletown, at $3375.

Westbrook Township, a section of graded road and native stone resurfacing, to FRANK ARRIGONI & BRO., Middletown, at $8000.

City of Hartford, a section of amiesite paving on Albany Ave., to the CONNECTICUT & RHODE ISLAND CO., Meriden, at $10,413; also a section of reinforced concrete construction on Bloomfield Ave., to the A. C. STERNBERG JR. CONSTRUCTION CO., West Hartford, at $5620.

Putnam Township, a section of bituminous native stone macadam on Woodstock Ave., to A. D. BRIDGE'S SONS CO., Hazardville, at $8000.

Manchester Township, a section of reinforced concrete construction on Chapman Road, to the BRISTOW BROS. & KNOWLES CORPORATION, Narranganset Pier, R. I., at $10,828.

Salisbury Township, a section of graded construction on Smith Hill, to JOHN DE MICHIEL & BRO., Torrington, at $2902. Noted June 25 and July 10.

Brooklyn Township, about 4850 lin.ft. native stone macadam on the Wauregan Road, to GOODMAN & TRUMBULL CO., Litchfield, at $6589. Watertown Township, about 6450 lin.ft. trap rock macadam on the Thomaston Road, to JOHN DI MICHIEL & BRO., Torrington, at $11,687.

✚New Haven, Conn.—(Official)—The contract for paving sections of Church St. and Winchester Ave. has been awarded to C. W. BLAKESLEE & SONS at about $10,000. Noted July 9.

★Albany, N. Y.—(Official)—Bids will be received by John N. Carlisle, State Highway Comr., until 1 p.m., July 27, for improving and repairing highways in various counties. For particulars, see advertisement under "Contracts to Be Let."

✚Buffalo, N. Y.—The City Council has authorized the award of contracts to the GERMAN ROCK ASPHALT CEMENT CO. at $15,690 for paving Alsace Ave. with asphalt, and at $61,450 for paving Linwood Ave. with asphalt. The Council has also ordered the paving of Lester and Wick Sts and the repaving of Grider, Virginia and York Sts. Francis G. Ward is Comr. of Pub. Wks.

★✚Corning, N. Y.—(Official)—The contract for paving Market and State Sts. has been awarded to BRADLEY & NOLAN at $39,944. Other bids were: Robert Henson, Geneva, $40,606; William H. Welch, Corning, $43,903; Arthur D. Osborne, Binghamton, $45,300; Drake & Dean, Buffalo, $42,154; Witt & Blades, Hornell, $42,552. Noted June 25.

Mount Kisco, N. Y.—(Official)—Bids will be received until 8 p.m., July 20, by the Board of Village Trustees for grading, macadamizing and otherwise improving Maple and Lexington Aves. and Green St. B. F. Darling, White Plains, N. Y., is Village Engr. George B. Cranston is Village Clk.

★✚Poughkeepsie, N. Y.—(Official)—The Board of Public Works has awarded the contract for paving Garden St. to the SCHENECTADY CONTRACTING CO., Schenectady, at $22,794; the contract for paving Jefferson St. was awarded to the BRIDGEPORT CONSTRUCTION CO., Poughkeepsie, at $1516. Noted July 2.

✚Troy, N. Y.—The Board of Contract and Supply has awarded the contract for paving Maple Ave. from Spring to Pawling Ave. with asphalt to WARREN BROS. & CO. at $5212.

Yonkers, N. Y.—The following bids have been received by the Board of Contract and Supply for surfacing the pavement on New Main St. from Nepperhan Ave. to the junction of South Broadway: John L. Hays, $12,810 for vitrified brick; F. A. Cianfaglione, $27,480 for standard granite block; the Harlem Contracting Co., $17,233 for asphalt block, and Kearns & Hart, $10,260 for sheet asphalt. The award was withheld for the Common Council to select the kind of pavement.

Bids will be received until Aug. 3 by the Board of Contract and Supply for widening Palisade Ave. from Getty Square to Elm St.

Camden, N. J.—(Official)—Bids will be received until 8 p.m., July 20, by Joshua C. Haines, Chn. of the Committee on Streets and Highways, for paving with Belgian block on a concrete foundation portions of Linden, Pine and Cooper Sts.

Linden, N. J.—(Official)—Bids will be received until 8 p.m., July 21, by the Borough Council for macadamizing the following streets: Curtis St., 1590 lin.ft.; Hussa St., 1330 lin.ft.; Lumber St., 633 lin.ft. W. Priestley and J. F. Jahn, Linden, are Engrs. Clarence H. Smith is Borough Clk.

✚Metuchen, N. J.—(Official)—A contract for flagging about 15,000 lin.ft. with 2-in. blue stone has been awarded to the WILBERT BLUE STONE CO., Perth Amboy, at $8444. Noted June 4 and July 2.

Perth Amboy, N. J.—(Official)—Bids will be received until 8:30 p.m., July 22, by the City Council for the construction of an asphalt block pavement on Oak St. from Smith St. to New Brunswick Ave. George M. Adair is Street Comr.

Rahway, N. J.—Bids will be received until 8 p.m., July 20, by Harry T. Halliday, Street Comr., for the construction of sidewalks, curb and gutter in several streets.

✚Trenton, N. J.—(Official)—Bids were received June 26 by the City Commissioners for street paving as follows: (a) Adeline St. with bituminous concrete, (b) Adeline St. with bituminous concrete and granite block, (c) Hart St. with vitrified brick, (d) Home Ave. with bituminous concrete, (e) Roebling Ave. with bituminous concrete, (f) Swan St. with vitrified brick, (g) Sanford St., Sutton & Corson, (a) $6674, (b) $5200, (c) $9545, (d) $8087, (e) $12,480, (f) $10,230, (g) $1858; CITIZENS CONSTRUCTION CO., (a) $6467, (b) $4844, (c) $7532 (awarded contract), (d) $7847, (e) $18,947, (f) $8097 (awarded contract, (g) $1921; Charles Reed & Co., (a) $6569, (b) $5248, (c) $7607, (d) $8240, (e) $12,557, (f) $8263, (g) $1659; NEWTON PAVING CO., (a) $5560 (awarded contract), (b) $4836 (awarded contract), (d) $6319 (awarded contract), (e) $9638 (awarded contract), (g) $1550 (awarded contract); Ginder Construction Co., (c) $7611, (f) $8164. Noted June 25.

Larksville, Penn.—(Official)—Bids will be received until 4 p.m., July 23, by the Borough Council for the improvement of Lawson and State Sts. Boyle & Howe are Borough Engrs. Thomas Anderson is Chn. of the Street Com.

✚Penn Yan, Penn.—The Board of Trustees has awarded the contract for paving Seneca and Water Sts. to CHARLES N. KELLY at $12,900.

Philadelphia, Penn.—The Bureau of Highways will shortly ask bids for highway improvements estimated to cost $450,000. M. L. Cooke is Dir. Dept. of Pub. Wks.

Pittsburgh, Penn.—(Official)—Bids will be received until 10 a.m., July 31, by R. J. Cunningham, County Controller for the improvement of the Emsworth and Haysville Road, Haysville Borough.

Washington, Penn.—(Official)—Bids will be received until noon, July 29 by the Board of County Commissioners for the construction of seven sections of county road, including necessary culverts and small bridges. Bids will be received at the same time for the furnishing of paving brick or blocks for the above mentioned roads. Chaney & Armstrong, Washington, are County Engrs. H. R. Campbell is Ch. Clk.

Wilkes-Barre, Penn.—(Official)—Bids will be received until noon, July 21, by the City Clerk, for vitrified brick pavement on a concrete foundation on Hill and Moyallen Sts. Charles N. Loveland is Supt. Dept. of Streets and Pub. Improvements. Fred H. Gates is City Clk.

Wilmington, Del.—See item under "Sewers."

Frederick, Md.—(Official)—Bids were received July 7 by Lewis H. Fraley, Mayor, for 5500 sq.yd. of paving, 2005 lin.ft. curb, 850 lin.ft. 6- to 18-in. sewer pipe and accessories, as follows: C. H. Klipp, $13,451; M. Applegate, $14,284, and the Whiting-Turner Construction Co., $16,479. Noted June 11.

✚Washington, D. C.—(Official)—The Commissioners of the District of Columbia have awarded the contract to the CRANFORD PAVING CO. for repairing asphalt pavements for three years at unit prices. The estimated total cost of the contract is $300,000. Noted June 4.

Hertford, N. C.—See item under "Sewers."

Old Fort, N. C.—(Official)—Bids will be received by P. H. Washburn, Chn. Township Highway Commission, until 2 p.m., July 25, for improving approximately 9¾ miles of the Central Highway from Greenlee to Old Henry.

✚Raleigh, N. C.—A contract for laying 10,000 lin.ft. concrete curb and gutter combined has been awarded to R. G. LASSITER at $8848.

Winston-Salem, N. C.—See item under "Water Supply and Irrigation."

★**Tampa, Fla.**—(Official)—All bids received July 10 for the improvement of the Tampa-Plant City Road were rejected by the County Commissioners as too high. W. P. Culbreath is Clk. Noted June 11.

Birmingham, Ala.—(Official)—Bids will be received until 3 p.m., July 21, by the Board of City Commissioners for paving 34th Ave. from 26th to 29th St. at an estimated cost of $10,000. Bids will be accepted for asphalt, bitulithic, asphaltic concrete or bituminous concrete. Julian Kendrick is City Engr.

✚**Mobile, Ala.**—The contract for improving Spring Hill Ave. has been awarded to E. S. LINCH at $9009.

Seale, Ala.—Bids will be received by the Commissioners of Russell County until Aug. 3 for improving about nine miles of the Eufala and Columbus Road. W. S. Keller is State Highway Engr.

Loudon, Tenn.—The County Court of Loudon County has voted a bond issue of $50,000 for road construction. Bids will be asked as soon as the bonds are sold.

Memphis, Tenn.—The St. Louis & San Francisco R.R. has entered into an agreement with the city of Memphis, and will shortly award contracts for paving Kentucky St. with brick, and Kansas St. with Birmingham slag.

Bowling Green, Ohio.—C. E. Sinebaugh, County Audr., will receive bids until July 20 for furnishing and delivering stone and screenings and furnishing and applying bituminous binder on three roads, about 8000 cu.yd., and for 4500 gal. of bituminous binder.

Canal Dover, Ohio—Bids will be received until noon, July 22, by Osmond Salmon, Dir. of Pub. Ser., for grading, curbing and paving with brick several streets. W. E. Sykes, Sr., is Clk. to Dir.

Cincinnati, Ohio—The Board of Commissioners of Hamilton County has approved plans for the repair of Colerain Pike from the city limits of Cincinnati to the Great Miami River, at an estimated cost of $43,580.

Bids will be received until July 17 by the Board of County Commissioners for the improvement of the New Richmond Pike from Three Mile Road to the county line, Anderson Township.

(Official)—Bids will be received until noon, July 24, by the Board of County Commissioners for treating the Kilby Road with bituminous road surfacing material from Harrison Pike to Cilley's Corner, Whitewater and Harrison Townships.

(Official)—Bids will be received until noon, Aug. 7, by the Board of County Commissioners for repairing the Harrison and Brookville Turnpike under Specification No. 672. Fred E. Wesselman is Pres. of the Bd.

✚The Director of Public Service has awarded the contract for paving Lakeman St. with asphaltic concrete from Blue Rock St. to Chase Ave. to HENKEL & SULLIVAN at $7634; the contract for paving Middletown Ave. with wood block was awarded to the KIRCHNER CONSTRUCTION CO. at $23,400.

(Official)—Bids will be received until noon, July 31, by the Board of County Commissioners for the improvement of Montauk Road, in Milford, Columbia Township, and for the improvement of Grooms Ave. from Cornell Ave. to Brecon Road, Sycamore Township. Albert Reinhardt is Clk. of the Bd.

Cleveland, Ohio—(Official)—Bids will be received until 10 a.m., July 25, by the Board of Commissioners of Cuyahoga County, for the construction and repair of the Dunham Road.

(Official)—Bids will be received until 10 a.m., July 29, by the Board of County Commissioners for the improvement of Cedar Glenn Road from Murray Hill Ave., in the city of Cleveland, to Overlook Road, in the village of Cleveland Heights. W. A. Stinchcomb is County Surv. E. G. Krause is Clk. of the Comrs.

✚**Columbus, Ohio**—The State Highway Commissioner has awarded the contract for paving 1.40 miles of the Alliance-Salem Road, Columbia County, to MORGAN BROS., Ravenna, Ohio, at $26,000. The pavement will be of brick.

Bids will be received until 10 a.m., July 29, by the Board of Commissioners of Franklin County for the purchase of county bonds for $44,000 to provide funds for road improvements. John Scott is Clk. of the Bd.

Bids will be received until 2 p.m., Aug. 4, by the State Highway Commissioner for paving with waterbound macadam about one mile of the Tiffin-Republic Road, Clinton Township, Seneca County. Estimated cost, $8979.

Conneaut, Ohio—(Official)—Bids will be received by S. W. Mahaffey, Dir. of Pub. Ser., until noon, July 27, for improving Nickel Plate Ave.

Defiance, Ohio—Bids will be received until 2 p.m., Aug. 3, by the Board of Commissioners of Defiance County for grading, macadamizing and paving with waterbound or glutrin-bound macadam Ayersville Road No. 1. Roger Daoust is Clk. of the Comrs.

Dover, Ohio—Bids will be received until July 22 by the Director of Public Service for brick paving, grading and curbing on Second St., Slingluff, Crater and Iron Aves.

Jefferson, Ohio—Bids will be received until July 20 by the Board of Commissioners of Ashtabula County for paving the east and west road from Austinsburg to the Jefferson line. A. V. Hillyer is Clk. of the Bd.

Old Fort, Ohio—(Official)—Bids will be received until noon, July 18, by the Trustees of Pleasant Township, at the office of the Township Clerk, Old Fort, for improving parts of the Morrison and Abbott Roads. J. H. Creeger is Township Clk.

Toledo, Ohio—(Official)—Bids will be received until 10:30 a.m., Aug. 4, by the Board of Commissioners of Lucas County for grading, draining and macadamizing portions of eight county roads. Charles J. Sanzenbacher is County Audr.

Indiana—(Official)—Bids will be received as follows for road improvements in Indiana:

Kentland, until 2 p.m., August 3, by Commissioners of Newton County for constructing a stone road in Beaver Township. S. R. Sizelove is Audr.

Boonville, until 10 a.m., August 4, by Commissioners of Warwick County for constructing a rock road in Campbell Township. N. M. Spradley is Audr.

Bloomfield, until 2 p.m., August 7, by Commissioners of Greene County for constructing roads in Wright and Smith Townships. C. H. Jennings is Audr.

✚(Official)—A contract for constructing highways in Franklin Township has been awarded to HAMLYN BROS., Acton. Noted June 11.

✚**Greencastle, Ind.**—(Official)—The contract for constructing the J. W. Clodfelter Road has been awarded to SUTHERLIN & CLODFELTER at $43,000. Noted June 18.

Huntington, Ind.—(Official)—Bids will be received until 7.30 p.m., July 20, by the Board of Public Works for 10,100 sq.yd. paving on First St. Bids will be accepted for vitrified brick, sheet asphalt, wood block or bituminous concrete pavement. H. I. Young is City Clk.

✚**Monticello, Ind.**—(Official)—The contract for improving the Noland and Hughes stone roads has been awarded to L. H. KENT, Brookston, at $9592. Noted June 25.

✚**Rensselaer, Ind.**—(Official)—A contract for constructing a road in Carpenter Township has been awarded to EVANS & VAN NOTTA, Fowler, at $10,999. Noted June 11.

✚**Detroit, Mich.**—Contracts have been awarded by the Department of Public Works for paving Helen Ave. to T. E. CURRIE at $13,258, and Canton Ave. to the DETROIT ASPHALT PAVING CO. at $19,570.

✚**Iron Mountain, Mich.**—(Official)—The Board of Public Works has awarded the contract for paving Ludington St. with bituminous macadam to HICKS & BARBER, Vulcan, Mich., at $6000.

✚**Pontiac, Mich.**—The City Commission has awarded the contract for paving Auburn and Orchard Lake Aves. with asphaltic concrete to the GOOD ROADS CONSTRUCTION CO., Chicago, at $1.43 per sq.yd.; the contract for paving Walnut St. with brick on a concrete foundation was awarded to WILLIAM F. RYAN, Lansing, at a price ranging from $1.71 to $1.80 per sq.yd.

✚**Belleville, Ill.**—The contract for paving the Forest Ave. district with concrete has been awarded to GASS BROS. at $15,139. Noted May 14.

✚**Decatur, Ill.**—The contract for paving North Main St. has been awarded to S. A. TUTTLE at $32,197.

Dolton, Ill.—(Official)—Bids will be received until 8 p.m., July 20, by Charles Dickelman, Pres. of the Bd. of Village Trustees, for about 4080 sq.yd. concrete paving on 144th Place, Irven Ave., Oak and Frederica Sts.

✚**Galesburg, Ill.**—The Board of Local Improvements has awarded the contract for paving Simmons St. to J. B. McAULEY, Galesburg, at $32,224. Other bids were: P. H. Tiernan, Macomb, Ill., $32,449, and the Burlington Construction Co., $32,501.

✚**Peoria, Ill.**—(Official)—Bids will be received until 2 p.m., July 20, by the Board of Local Improvements for about 7300 sq.yd. of paving on Bradley Ave.

The Board of Local Improvements has recommended the laying of new sidewalks on both sides of Perry Ave. from Hamilton to Abington St., and on Jefferson Ave. from Fayette to Abington St. at an estimated cost of $9783 and $9243, respectively. L. D. Jeffries is City Engr.

Springfield, Ill.—(Official)—Bids will be received until noon, July 22, by the State Highway Commission for the following road work: Vermilion County, Route 2, Section A, about 16,100 ft. of brick construction, estimated cost, $48,030; Peoria County, Route 4, Section A, 6159 lin.ft. concrete construction, $12,681; Champaign County, Route 5, Section B, 6160 lin.ft. brick construction, $12,779; Champaign County, Route 3, Section A, 6600 lin.ft. brick construction, cost about $14,619. All cement to be furnished by the State. P. C. McArdle is Asst. State Highway Engr.

✚**Springfield, Ill.**—Bids were received July 1 by the State Highway Commission and contracts awarded for constructing public highways by state aid as follows: Sections A and E, Sangamon County, to R. F. EGAN at $4225 and $5500, respectively; Sections B and C, Sangamon County, to HENRY WELCH at $9033; Section D, Sangamon County, to JOHN E. BRETZ at $4030; Section A, Ogle County, to GUND & GRAHAM, Freeport, at $21,400; Section A, Iroquois County, to DAVID-EWING CONSTRUCTION CO., Bloomington, at $15,890; Section B, Crawford County, to CAMPBELL & DOBSON, Bloomington, at $17,493; Sections A and C, DeKalb County, to C. W. JENSEN & CO., Chicago, at $7299 and $21,399, respectively; Sections A and B, Edgar County, to ALLEN J. PARRISH, Paris, at $10,400 and $10,235, respectively, and Section A, Lake County, to H. G. GOELITZ, Oak Park, at $19,900. Noted June 25.

✚**Springfield, Ill.**—(Official)—The State Highway Commission has awarded contracts for road construction to J. W. STIPES & EDWARD S. PILCHER, Champaign, at $13,150 for Section C, Route 7, Champaign County; D. C. NICHOLSON & A. L. BOOTH, Gardner, Ill., at $19,484 for Section A, Route 11, Livingston County. Noted July 2.

Delevan, Wis.—Bids are being received by W. R. Topping, City Clk., for the construction of concrete curb and gutter on seven streets.

Dodgeville, Wis.—Bids will be reeeived until July 27, by J. P. Lewis, City Clk., for constructing about 30,000 sq.ft. of concrete sidewalks. Noted June 25.

Marinette, Wis.—Bids will be received by the Board of Public Works until July 31, for the construction of two concrete roadways, 23 ft. wide, on each side of a 25-ft. parking, with concrete curb and gutter on Carney Ave., and for macadam paving with concrete curb and gutter on Chestnut St. A. H. Holquist is Chn. Bd. of Pub. Wks.

✚**Milwaukee, Wis.**—The contract for the construction of an asphalt pavement on concrete foundation on National Ave. between the Milwaukee and the West Allis city limits has been awarded to the BARGER CONSTRUCTION CO. at $34,000.

Platteville, Wis.—Bids are being received by J. E. Kennedy, City Clk., for the construction of 4275 sq.yd. of concrete pavement and 2356 lin.ft. of curbing on Main St.

Portage, Wis.—(Official)—Bids will be received until noon, July 24, by Fred F. Goss, Acting City Clk., for the construction of 23,000 sq.yd. vitrified brick paving, 16,000 lin.ft. concrete curb and gutter and 4600 lin.ft. vitrified pipe storm sewer.

Sheboygan, Wis.—The County Highway Commission has rejected all bids received for the construction of the Sheboygan-Sheboygan Falls Road, and the County Clerk will soon call for new bids. The estimated cost is $30,000. Noted Apr. 23.

Manning, Iowa—(Official)—The contracts for 24,000 sq.yd. paving and 6600 lin.ft. artificial stone curbing, bids for which were received July 6, will be awarded early in January, 1915. P. H. Jones is Clk. Noted June 18.

✚Mason City, Iowa—(Official)—The contract has been awarded to the BRYANT ASPHALT CO., Waterloo, Iowa, for 26,700 sq.yd. of paving at $1.60 per sq.yd., and for 14,300 lin.ft. curbing at 30c. per ft. Other bidders for the paving were: Des Moines Asphalt Co., Des Moines, at $1.83, and the Ford Paving Co., Fort Dodge, at $1.77 per sq.yd. Noted July 2.

Parsons, Kan.—The City Council has decided to pave 22d St. from Corning Ave. to Broadway with asphaltic concrete. Ray Wells is City Engr. T. B. J. Wheat is Clk.

Omaha, Neb.—Bids will be received until noon, Aug. 1, by Frank Dewey, Clk. of Douglas County, for paving the road from Omaha to Benson with Colorado granite paving block and concrete curb. Louis E. Adams is County Engr.

Seward, Neb.—Plans are being prepared for about 30,000 sq.yd. of street paving at Seward. C. O. Martz, 416 First National Bank Bldg., Lincoln, Neb., is Engr. in Charge.

Lewistown, Mont.—It is reported that the City Council will pave Broadway at an estimated cost of $35,000.

✚Lewistown, Mont.—The contract for improving Seventh Ave. Blvd. and Broadway has been awarded to L. W. SCHRUTH, Fargo, N. D., at $15,407 and $5500, respectively.

Kansas City, Mo.—Bids will be received until July 20 by the Board of Park Commissioners for grading Gladstone Blvd. at an estimated cost of $12,000. Thomas C. Herrington is Secy. of the Bd.

✚Fort Smith, Ark.—(Official)—Contracts for paving 5900 sq.yd. with wood block and 8000 sq.yd. with brick have been awarded to BURKE BROS. at $2.36 per sq.yd. and W. W. FULLER at $1.89 per sq.yd., respectively.

Bastrop, Tex.—The taxpayers of Precinct No 1, Bastrop County, have voted in favor of a bond issue of $50,000 for the construction of roads.

✚Hillsboro, Tex.—The contract for road construction in Precinct No. 1, Hill County, has been awarded to the ROACH-MANIGAN CO. Noted May 7.

Longmont, Colo.—The City Council has passed an ordinance for the improvement of Main St. at an estimated cost of $40,000.

Ogden, Utah—(Official)—The City Commission has awarded contracts for paving 24th St. between Grant and Washington, and Eccles Ave. from 25th to 26th St., to the J. P. O'NEILL CONSTRUCTION CO., at $6414 and $6798, respectively. Noted June 18.

Preston, Idaho—The City Council will shortly award contracts for the construction of concrete sidewalks to cost about $12,000.

✚St. Maries, Idaho—The TWO MIRACLE CONCRETE CO., Kalispell, Mont., received the contract for grading, curbing and paving Main St. and College Ave., Improvement District No. 2, at $53,769. Noted June 4.

✚Anacortes, Wash.—W. R. BURKE was awarded the contract for grading and concrete sidewalks on 26th St. at $5325.

✚Bellingham, Wash.—The contract for asphalt paving in the business district has been awarded to G. C. BURNETT, Bellingham, at $74,000.

Olympia, Wash.—Bids will be received by the State Highway Board until 2 p.m., July 20, for clearing, grading and draining about 1.8 miles of the National Park Highway. William R. Roy is Secy.

✚Olympia, Wash.—(Official)—The State Highway Board has awarded the contract for surfacing 13.5 miles of the Sunset Highway, in Douglas County, to the H. L. WILSON CO., Walla Walla, at $17,778. Pugh & Arenz, Montesano, Wash., bid $19,384. Noted July 2.

✚Pasco, Wash.—(Official)—The Commissioners of Franklin County have awarded the contract for the construction of two miles of highway near Connell to the WARREN CONSTRUCTION CO., Portland, Ore., at $25,769. Noted July 2.

Seattle, Wash.—Bids will be received by the County Commissioners until 10 a.m., July 21, for constructing the Mercer Island Road. Byron Phelps is Clk.

South Bend, Wash.—Bids will be received by Charles H. Mills, City Clk., until 7.30 p.m., July 20, for constructing concrete pavement and sidewalks on Broadway.

Hood River, Ore.—An election will be held July 16 to vote on the question of issuing $75,000 in bonds for the construction of the Columbia River Highway through this section.

Los Angeles, Calif.—See item under Miscellaneous: Tunnel Work—Los Angeles.

✚Los Angeles, Calif.—The contract for paving and draining the Third St. tunnel from Hill to Hope St. has been awarded to BRYANT & AUSTIN at $11,894.

(Official)—See item under "Sewers."

The Board of County Supervisors will shortly ask bids for the construction of oiled macadam paving in the following road districts: Road Improvement District No. 54, Norwalk and Puente Hills Road, three miles; District No. 60, Orr and Day Road, two miles; District No. 24 street improvement in the city of Rivera; District No. 23, Grand Ave. and San Bernardino Road, 2.5 miles; District No. 27, Lark Ellen Ave., two miles; District No. 28, Western Ave., two miles; District No. 29 Citrus Ave., 1.75 miles; District No. 30, 2.5 miles; District No. 61, Artesia St., 1.5 miles.

✚Pasadena, Calif.—The contract for improving Oakdale St. has been awarded to H. E. COX at $7897.

✚San Bernardino, Calif.—Contracts have been awarded to the HIGHWAY CONSTRUCTION CO. at $15,361 for improving Ninth St. from Arrowhead to G St., and at $17,008 for improving Seventh from D to I St.

✚San Francisco, Calif.—The contract for paving and constructing sewers in San Bruno Ave. from Olmstead St. to Railroad Ave. has been awarded to the FAY IMPROVEMENT CO. at $52,790.

The following bids were received by the Board of Public Works for furnishing the mechanical equipment for the municipal asphalt plant: A. Schneider, $58,420; Union Machine Co., $32,320; the Power Equipment Co., $24,250; the Main Street Iron Works, $36,500 and the Davis Rogers Co., $31,795.

✚Ottawa, Ont.—A contract for constructing asphalt pavements on various streets has been awarded to the OTTAWA CONSTRUCTION CO., Central Chambers, at approximately $95,000.

✚St. Catherines, Ont.—Contracts for paving 15,000 sq.yd. with bitulithic and 20,000 sq.yd. with asphaltic concrete have been awarded to the WARREN BITUMINOUS PAVING CO., 103 Bay St., Toronto, at $40,000, and to FOLEY & GLEESON, Central Chambers, at $50,000, respectively.

South Vancouver, B. C.—It is reported that the City Council contemplates paving Tyn St. at an estimated cost of $70,000.

INDUSTRIAL WORKS

Gardner, Mass.—Abraham Rosenberg, North Main St., will build a two-story, 85x115-ft. garage.

Malden, Mass.—The Yale Knitting Co. plans to build a four-story, 50x100-ft. addition to its plant.

Salem, Mass.—George C. Vaughn has filed plans for two factories, to be built on Bridge and Boston Sts. One will be three-story, 45x250 ft. and the other two stories, 50x150 feet.

Allingtown, Conn.—The Narrow Fabric Co. will build a one-story, 120x200-ft. addition to its factory.

New Britain, Conn.—R. H. Erwin, will build a two-story, brick and steel, 80x100-ft. garage. George Zunner, Hartford, Conn., is the Arch.

New Britain, Conn.—The P. J. Flannery Co. Inc., Whiting St., is receiving bids for a one-story, 128x135-ft. addition to its plant. James Sweeney, 140 State St., New London, Conn., is the Arch.

Stafford Springs, Conn.—The Hudson Garage Co., will build a 55x140-ft. garage.

✚Torrington, Conn.—The Coe Brass Co., subsidiary of the American Brass Co., has awarded a contract to the O'BRIEN CONSTRUCTION CO. for a 350x500-ft. shop.

Amsterdam, N. Y.—Shuttleworth Bros. Co. will build two four-story factory additions, one 62x235 ft. and the other 54x160 ft. F. W. Grieme is the Arch.

✚Buffalo, N. Y.—The Springfels Mfg. Co. has awarded a contract to the NIEDERPRIEM BUILDING CO. for a two-story and basement, 40x80 factory.

Ellicottville, N. Y.—The Flickinger Bros. Co., Bradford, Penn., plans to build a foundry and a machine shop, each 80x120 ft.

New York, N. Y.—(Borough of Manhattan)—Katherine M. Sanders has filed plans for a one-story, 105x125-ft. brick garage, at 64th St. and Second Ave. The cost will be $20,000.

New York, N. Y.—(Borough of Manhattan)—The Yellow Taxicab Co., Eighth Ave. and 49th St., will build a two-story, 100x100-ft. garage. It will accommodate 600 cars.

✚New York, N. Y.—(Borough of Brooklyn)—The American Vitagraph Co., 116 Nassau St. (Borough of Manhattan) has awarded a contract to the AMERICAN CONCRETE STEEL CO., 27 Clinton St., Newark, N. J., for a four-story, brick and concrete factory, to be built at Liberty and Locust Sts. Noted July 2.

New York, N. Y.—(Borough of Manhattan)—The Eureka Auto Stations, St. Nicholas Ave. and 122nd St., has awarded a contract to FRYMIER & HANNA, 25 West 45th St., for a two-story, 100x100 ft., brick and steel garage. Frank Straus, 25 West 42nd St., is the Arch. The cost will be $25,000.

✚Port Jervis, N. Y.—The Katterman & Mitchell Co., 300 Straight St., Paterson, N. J., has awarded a contract to the B. & W. CONCRETE CO., Ordway Bldg., Newark, N. J., for a two-story, 54x248-ft. factory. The cost will be $35,000.

Syracuse, N. Y.—A. J. Hoffman, 1527 South Salina St., is receiving bids on a two-story and basement, 60x125 ft. dry cleaning plant.

Jersey City, N. J.—The Colgate Co. will build a $500,000 factory on Greene Ave.

Newark, N. J.—James A. Bannister has purchased a 224x384-ft. site on Range St., on which he will build a shoe factory.

Newark, N. J.—Charles S. Cohen, 257 South St., will build a two-story, 48x150-ft. factory. Henry Bachlin is the Arch.

Passaic, N. J.—Paul Guenther, Dover, N. J., has purchased a 14-acre site on which he will build a four-story hosiery mill, costing $45,000.

Trenton, N. J.—The American Steel Co. will build a three-story brick and iron addition to its plant on Hamilton Ave., to cost $75,000.

Connellsville, Penn.—James Rappart plans to build a large, four-story furniture warehouse on North Prospect St.

Ebensburg, Penn.—William Mohler will build a 64x154-ft. garage at High and Julian Sts.

Middletown, Penn.—The Middletown Car Co. plans additions to its car barns and repair shop. The cost is estimated at $500,000.

Pittsburgh, Penn.—The Umandale Cemetery Co. will build a two-story garage, costing $19,000.

Washington, D. C.—Henry L. Brown will build a $12,000 garage, at Greenhill Ave. and 14th St.

✚**Washington, D. C.**—W. M. Griffiths has awarded a contract to HENRY M. SANFORD, 221 Oxford Bldg., for a garage and warehouse, to be built at 50 N. St. The cost will be $10,500.

Norfolk, Va.—The American Peanut Corporation will build a five-story factory, to cost $85,000.

Richmond, Va.—The Southern R. R. Co. will enlarge its local yard and shop facilities. The work includes construction of warehouse, shops, roundhouse, etc.

Mayworth, N. C.—S. W. Cramer, Charlotte, N. C., will build three cotton mills.

Florence, S. C.—The Atlantic Coast Line R.R. will build shops, a roundhouse, a turntable, a planing mill and make various other improvements in its local yards. About $110,000 will be spent.

Grantville, Ga.—The Grantville Hosiery Mills, plan to build a 100x220-ft. addition to cost about $100,000. The Park A. Dallis Co., Atlanta, Ga., is the Arch.

✚**Porterville, Ga.**—The Bibb Mfg. Co. has awarded a contract to SHAW BROS., Macon, Ga., for a warehouse to cost $21,000.

Anniston, Ala.—The Anniston Yarn Mills will build a 75x216-ft. addition, to cost $10,000.

✚**Bessemer, Ala.**—The American Tar Products Co. has awarded a contract to H. KOPPERS & CO., for a creosote plant. Over $100,000 will be spent.

Mobile, Ala.—The Kahn Mfg. Co., has filed plans for a three-story factory, to cost $12,000.

Jackson, Tenn.—The Mobile & Ohio R.R. will spend $60,000 in the construction of shops at its Claymore yards.

Knoxville, Tenn.—The Fulton Co. will build three one-story additions to its plant; 56x105 ft., 56x175 ft. and 50x125 ft. respectively. The cost will be $12,000.

Nashville, Tenn.—The Nashville Motor Co. will build a two-story, 50x100-ft. garage, to cost $32,000. C. A. Ferguson is the Arch.

Cincinnati, Ohio—Stewart & Stewart, Bell Block, are receiving bids for a two-story, 80x90-ft. garage.

✚**Cleveland, Ohio**—The Enamel Products Co., Ivanhoe Road, has awarded a contract to the WILLIAM DUNBAR CO., 8209 Cedar Ave., for a 50x150-ft. factory.

Cleveland, Ohio—The F. B. Stearns Co. plans to build a four-story, 50x75-ft. and a one-story, 60x350-ft. factory. George S. Rider & Co., 512 Century Bldg., is the Arch.

Elyria, Ohio—The Kleervue Film Co. plans to build a $30,000 plant.

Springfield, Ohio—The Bowlus-Hackett Fruit Co. will build a three-story and basement warehouse, to cost $65,000. Charles J. Bowlus is Pres.

Toledo, Ohio—The Toledo Fish Co. will build a 120x130 ft. warehouse at 720 Water St. The cost is estimated at $30,000.

✚**Toledo, Ohio**—The Toledo Pipe Threading Machine Co. has awarded a contract to the SHAW & THORN CO., 413 Nasby Bldg., for a two-story and basement, 120x122-ft. factory, to cost $60,000.

Warren, Ohio—The Western Reserve Steel Co., Pittsburgh, Penn., will build a six-mill sheet plant.

New Albany, Ind.—Conrad Hertlein will build a $10,000 bakery.

South Bend, Ind.—E. W. Bishop will build a $150,000 ramie mill.

Flint, Mich.—The Walker-Weiss Axle Co., plans to build a two-story, 50x300-ft. shop, costing $30,000.

Saginaw, Mich.—A. Schirmer plans to build a two-story, 80x120-ft. brick garage.

Chicago, Ill.—Barnhart Bros. & Spindler, Troop and Monroe Sts., will build a 200x236-ft. type foundry, costing $200,000.

Oconomowoc, Wis.—The Pacific Coast Condensed Milk Co. will build a tin factory and a condensary costing $250,000.

Superior, Wis.—The Superior Terminal Elevator Co. has filed plans for a $145,000 grain elevator.

Independence, Kan.—The Culmer Chemical Co., will build a $25,000 factory on West Syracuse St.

Roundup, Mont.—The Roundup Elevator Co. will build a 35,000-bu. grain elevator.

St. Louis, Mo.—The Helms Brewing Co. will build a one-story, 30x100 ft. bottling house to cost $10,000.

✚**Pine Bluff, Ark.**—B. B. Weil has awarded a contract to R. M. GALGRAITH for a 100x154-ft. cotton warehouse, to cost $12,000.

Abilene, Tex.—The Brown Cracker & Candy Co. has purchased a site on which it will build a plant employing 350 men.

✚**Dallas, Tex.**—S. E. Milliken has awarded a contract to the HEDRICK CONSTRUCTION CO. for a $20,000 garage.

Houston, Tex.—Armour & Co., Chicago, Ill., has acquired a ten-acre site here on which it will build a fertilizer plant with a yearly capacity of 40,000 tons.

Seattle, Wash.—It is reported that the Noble Metal Co. will build a $1,000,000 chemical plant and concentrator.

Seattle, Wash.—The Sears-Roebuck Co., Chicago, Ill., will erect a nine-story, reinforced concrete, fireproof addition to its plant in this city, costing about $850,000. This structure will be the largest concrete building on Pacific Coast. Plans are now being prepared, and bids will be asked soon.

Eugene, Ore.—D. L. Hardin, is interested in the erection of a building for the manufacture of drinking fountains. The estimated cost is $10,000.

Riddle, Ore.—The Nickel Mining & Smelting Co., Portland, Ore., has acquired a site here on which it will build a plant of 20 ton daily capacity to cost $15,000.

Fresno, Calif.—The Roeding Fig & Olive Co. will build a $25,000 packing house of brick and concrete.

Oakland, Calif.—The California Baking Co. will build a bakery to cost $100,000, exclusive of machinery. Louis Loesch is Pres.

San Francisco, Calif.—The Board of Public Works is receiving bids for a municipal, reinforced concrete 14-track carbarn.

Levis, Que.—J. H. Hamilton plans to build a four-story, 30x130-ft. shoe factory. T. R. Peacock, Sherebroke, Que., is the Arch.

London, Ont.—The McClary Mfg. Co. will build a $15,000 addition to its stone plant.

Sandwich, Ont.—The Canadian Alkali Co. is building a $500,000 addition to its plant.

FEDERAL GOVERNMENT WORK

✚**Building Wharf, Etc.**—Boston, Mass.—The contract for the construction of the wharf, retaining wall and approaches of the U. S. immigration station at Boston has been awarded to the GEORGE A. FULLER CO., 131 State St., Boston, Mass., at $249,000. Noted July 9.

Oil Engine Machinery—Boston, Mass.—Bids were received July 7, by the Light House Inspector, for repairs and installation of oil engine machinery, etc., on light vessel No. 54, as follows: Bath Iron Works, $37,614; Lockwood Mfg. Co., $46,498; Bertelsen & Petersen Eng. Co., $46,922; U. S. Navy Yard, $48,909. Noted June 25.

✚**Heating Plant**—Chelsea, Mass.—The contract for installing heating system in the U. S. Naval Hospital, Chelsea, has been awarded to the J. W. DANFORTH CO., Buffalo, N. Y., at $37,257. Noted June 11.

✚**Building**—Fort Warren, Mass.—The contract for constructing bakery building at Fort Strong, Mass., has been awarded to MARR BROS. & STEWART CO., Boston, Mass., as follows: Construction, $7415; heating, $620; lighting, $165. Noted May 28.

Alterations, Etc.—New York, N. Y.—Bids will be received until 3 p.m., July 20, by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for general alterations and betterments for the accommodation of the U S. courts, etc., in the U. S. Court House and Post Office, New York.

Buoy Bodies—Tompkinsville, N. Y.—Bids will be received until 3 p.m., July 22, by the Light House Inspector, Third District, for furnishing two acetylene gas buoy bodies, type L.

✚**Post Office**—Burlington, N. J.—The contract for the construction of the post office at Burlington has been awarded to J. S. ROGERS CO., Moorestown, N. J., at $37,890. Noted May 21.

Post Office—Orange, N. J.—Bids were received as follows July 13, by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for the construction of a post office at Orange, N. J.: Joseph di Benedetto, New York, $72,249; Charles McCaul Co., Philadelphia, Penn., $73,875; Hedden Construction Co., New York, $78,754; Rome Corporation Builders, New York, $78,836; William H. Fissell & Co., New York, $78,877; Edward M. Waldron, Inc., Newark, N. J., $79,250; William H. Egan, New York, $83,084; A. E. Burrows Construction Co., New York, $86,464; Westchester Engineering Co., New York, $83,441; J. S. Rogers Co., Moorestown, N. J., $85,000; John Lowry, Jr., New York, $86,880; Olin Gerlach, Frostburg, Md., $87,840; Kelly & Kelly, Inc., Long Island City, N. Y., $88,000; Conners Bros. Co., Lowell, Mass., $88,114; M. Yeager & Son, Danville, Ill., $89,420; Charles F. Coyne, Inc., Orange, N. J., $94,908; Hagen Lumber Co., Scranton, Penn., $99,872; Richard L. Tobin, Orange, N. J., $99,999. It will be a one-story and basement building, ground area 7300 sq.ft., fireproof construction except ceiling and roof, stone and brick facing and composition roof. Noted June 11.

Post Office—Bedford, Penn.—Bids will be received until 3 p.m., Aug. 24, by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for the construction complete of the U. S. post office at Bedford. The building will be one-story and basement, with a ground arear of approximately 4720 sq.ft.

Removing Wreck—Wilmington, Del.—Bids will be received until 11 a.m., July 16, by Maj. E. N. Johnston, Corps Engrs., U. S. A., Wilmington, for removing the wreck of barge "Enos Soule", sunk in Atlantic Ocean, off Brigantine Beach.

★**Dredging**—Broad Creek, Md.—Bids will be received until 2:30 p.m., July 24, by Col. Lansing H. Beach, Corps Engrs., U. S. A., Baltimore, Md., for dredging in Broad Creek, Md.

✚**Dredging**—Fort Howard, Md.—The contract for dredging at Fort Howard, has been awarded to the MARYLAND DREDGE & CONSTRUCTION CO., Baltimore, Md., at 20c. per cu.yd.

Alterations, Etc.—Washington, D. C.—Bids will be received until 3 p.m., July 13, by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for suspended ceilings, new floors, alterations, repairs, etc., in the Auditors' Bldg., Washington, D. C.

✚Cow Barns—Washington, D. C.—The contract for constructing cow barns at the Government Hospital for the Insane, has been awarded to J. L. MARSHALL, Washington, D. C., at $28,327. Noted July 2.

Engine—Washington, D. C.—Bids were received, June 29, by the Comr. of Lighthouses for furnishing one 100-hp. kerosene propelling engine for light vessel No. 98, as follows: Racine Truscott Shell Lake Boat Co., Muskegon, Mich., $5560; Gas Engine & Power Co. & Charles L. Seabury Co., Consolidated, Morris Heights, New York, $4800; Standard Motor Construction Co., Jersey City, N. J., $4885; Corliss Gas Engine Co., San Francisco, Calif., $4250; New London Ship & Engine Co., Groton, Conn., $6000; Meitz & Weise, New York, $7395; Blanchard Machine Co., Cambridge, Mass., $6250; Bolinders Co., 30 Church St., New York, $6000. Noted June 18.

Quarters—Washington, D. C.—Bids will be received until 3 p.m., July 28, by Oscar Wenderoth, Superv. Arch., Washington, D. C., for constructing quarters for Stamp Division, Internal Revenue Commissioners' Office, Auditors' Bldg.

★Sextants—Washington, D. C.—Bids will be received until noon, Aug. 6, by the Superintendent, Coast & Geodetic Survey, Washington, D. C., for furnishing 35 or 70 sextants, Ponthus and Therrode No. 808, or equal.

★✚Sprinkler Equipment—Washington, D. C.—The contract for the installation of a sprinkler system in the Patent Office building, has been awarded to W. G. CORNELL CO., Washington, D. C., at $18,724. Bids for the sprinkler systems in the General Land Office and the Pension Office were rejected. Noted May 21.

★Table Alidades—Washington, D. C.—Bids will be received until 2 p.m., July 16, by the Superintendent, Coast & Geodetic Survey, Washington, D. C., for furnishing 12 to 24 plane table alidades.

Tubular Boilers—Washington Barracks, D. C.—Bids will be received until 11 a.m., Aug. 6, by Lieut. Col. Joseph E. Kuhn, Corps Engrs., U. S. A., for furnishing two 12-hp. return tubular boilers.

✚Road Work—Fort Meyer, Va.—The contract for constructing heavy traffic road at Fort Meyer, has been awarded to R. E. BOISSEAU, Washington, D. C., at $4185.

✚Dredging—Norfolk, Va.—The contract for dredging the inland waterway from Norfolk, Va., to Beaufort Inlet, N. C., has been awarded to the BOWERS SOUTHERN DREDGING CO., Galveston, Tex., at $100,300. Noted July 9.

Post Office—Wytheville, Va.—Bids will be received until 3 p.m., Aug. 4, by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for the construction complete (including mechanical equipment, interior lighting fixtures and approaches) of the U. S. post office at Wytheville, Va. The building will be two stories and basement, ground area approximately 4100 sq.ft., brick facing tin and composition roof.

✚Poiree Trestles, Etc.—Wheeling, W. Va.—The contract for furnishing and delivering poiree trestles, etc., at Dams Nos. 19 and 28, Ohio River, has been awarded to the PENN BRIDGE CO., Beaver Falls, Penn., at $17,546. Noted July 2.

✚Post Office—Gastonia, N. C.—The contract for the construction of the post office at Gastonia has been awarded to WILLIAM J. BRENT CONSTRUCTION CO., Norfolk, Va., at $52,254. Noted May 14.

Repairing Tender—Charleston, S. C.—Bids were received July 6, by the Light House Inspector, for repairing light house tender "Mangrove," as follows: Skinner Shipbuilding & Dry Dock Co., Baltimore, Md., $2769 (recommended for acceptance); Wilmington Iron Works, $4664; Charleston Navy Yard, $6161; Merrill Stevens Co., $6924. Noted June 25.

✚Cisterns—Fort Moultrie, S. C.—The contract for constructing six cisterns at Fort Moultrie, has been awarded to P. D. HAY, Charleston, S. C., at $4754.

✚Post Office—Mobile, Ala.—The contract for the construction of the post office at Mobile, has been awarded to JOHN W. EMERY, 1524 Sansom St., Philadelphia, Penn., at $268,000. Noted Apr. 23.

✚Post Office—Granada, Miss.—The contract for the construction of the post office at Granada, Miss., has been awarded to ALGERNON BLAIR, Montgomery, Ala., at $40,315. Noted June 25.

★Barge—New Orleans, La.—Bids will be received until 11 a.m., Aug. 12, by Maj. C. O. Sherrill, Corps Engrs., U. S. A., for constructing and delivering one steel barge.

★✚Stone—New Orleans, La.—The contract for furnishing and placing 25,000 tons of stone at Southwest Pass, Mississippi River, has been awarded to LESTER F. ALEXANDER, New Orleans, La., at $106,000. Oother bids were: Oscar F. Barrot, Cincinnati, Ohio, $150,000; Will McFarlane, Birmingham, Ala., $138,750; George B. Christie, New Orleans, La., $111,250. Noted May 28.

★Towboat—New Orleans, La.—Bids will be received until 11 a.m., Aug. 3, by Maj. C. O. Sherrill, Corps, Engrs., U. S. A., for constructing and delivering the steel hull stern wheel towboat 'Charnette." Noted June 25.

Post Office—Georgetown, Ky.—Bids will be received until 3 p.m., Aug. 12, by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for the construction complete (including mechanical equipment, interior lighting fixtures and approaches) of the U. S. post office at Georgetown, Ky. It will be a two-story and basement building, ground area 4800 sq.ft., fire proof construction, stone facing, composition roof.

Scows—Cincinnati, Ohio—Bids were received July 2, by Lieut.-Col. H. Jervey, Corps Engrs., U. S. A., for constructing and delivering 10 steel dump scows as follows: (a) 6 scows delivered at Cincinnati, Ohio; (b) 4 scows delivered at Marietta, Ohio; (c) 10 dump scows delivered at bidder's shipyard: Jones & Laughlin Steel Co., Pittsburgh, Pa., (a) $11,685 each, (b) $11,570 each, (c) $11,435 each; Pittsburgh-Des Moines Steel Co., Pittsburgh, Penn., (a) $10,900, (b) $10,850, (c) $10,700; Dubuque Boat & Boiler Works, South Dubuque, Iowa, (a) $8944, (b) $8944 (c) $8744; Charles Hegewald Co., New Albany, Ind., (a) $10,349, (b) $10,399, (c) $10,299; American Bridge Co. of New York, Cincinnati, Ohio, (a) $8000, (b) $7900, (c) $7775; Hess Iron Works, Green Bay, Wis., (c) $6437. Noted June 4.

Building—Mackinac Island, Mich.—Bids were received, July 6, by the Gen. Supt., U. S. Life Saving Service, Washington, D. C., for constructing a life saving station house, launchway and accessories at Mackinac Island, Mich., as follows: Richard Collins, Alpena, Mich., $23,972; Sheboygan Mfg. Co., Sheboygan, Mich., $29,000; R. J. B. Newcombe, Manistee, Mich., $28,025. Noted July 2.

★✚Post Office—Mount Vernon, Ill.—The contract for the construction of a post office at Mount Vernon has been awarded to the HERMAN CONSTRUCTION CO., St. Louis, Mo., at $59,593. Noted May 21.

Building—Milwaukee, Wis.—Bids will be received until 3 p.m., Aug. 14, by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for the construction complete of the U. S. Appraiser's stores, Milwaukee, Wis. The building will be two stories and basement.

★✚Steel Dredge Hull—Dubuque, Iowa—The contract for constructing the dredge and snag boat "Dennison", has been awarded to the DUBUQUE BOAT & BOILER WORKS, Dubuque, Iowa, at $49,475. Noted May 7.

✚Lavatory—Cheyenne, S. D.—The contract for constructing a lavatory annex to the dormitory at the Cheyenne and Arapahoe Indian school, has been awarded to GEORGE CLARK & SON, Enid, Okla., at $4764. Noted June 25.

★✚Post Office—Casper, Wyo.—The contract for the construction of the post office at Casper has been awarded to C. R. INMANN, Casper, at $49,875. Noted Apr. 23.

✚Canal—Milk River, Mont.—The contract for construction of the St. Mary Canal, Milk River Irrigation Project, has been awarded to CONDON & WILLIAMS, South Omaha, Neb., at $159,489.

✚Post Office—Newport, Ark.—The contract for the construction of the post office at Newport has been awarded to A. B. ANDERSON, Newport at $40,733. Noted May 7.

✚Shed and Trestle—Fort Logan, Colo.—The contract for constructing a coal shed and trestle at Fort Logan, has been awarded to the R. P. McDONALD CONSTRUCTION CO., Denver, Colo., at $6383.

✚Earthwork—Grand Junction, Colo.—The contract for earthwork on the main canal of the Grand Valley Irrigation Project, has been awarded to WINSTON BROS., Minneapolis, Minn., at $387,483. Noted July 2.

Boilers, Etc.—Las Animas, Colo.—Bids were received July 11, by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for furnishing and installing at the Naval Hospital, Las Animas, the following equipment: Four 100-hp. boilers with settings, a fan and motor, additional steel flue, heat insulation, piping, valves, fittings, gaskets and bolts, gages, thermometers and injectors, and all necessary foundations and concrete flooring: Babcock & Wilcox, Philadelphia, Penn., $17,066, (boilers only) $15,020; E. Keeler Co., Williamsport, Penn.; (boilers only) $11,285; Industrial Heating & Engineering Co., Milwaukee, Wis., $13,400. Noted June 25.

★Excavation, Etc.—Salt River, Ariz.—Bids will be received until 2 p.m., Aug. 17, by F. H. Newell, Dir., U. S. Reclamation Service, Phoenix, Ariz., for the construction of the Cave Creek cutoff of the Arizona Canal, Salt River project, Arizona, and the necessary laterals in connection therewith, involving approximately 131,000 cu.yd. of excavation and 300 cu.yd. of concrete in structures. The work is situated near the town of Glendale, Ariz. For further information see advertisement under "Contracts to be Let."

✚Steel Highway Bridge—Yuma, Ariz.—The contract for constructing the steel highway bridge at the U. S. Indian Reservation, has been awarded to the OMAHA STRUCTURAL STEEL WORKS, Omaha, Neb., at $72,151. Noted June 25.

Post Office—Idaho Falls, Idaho—Bids were received as follows July 10, by Oscar Wenderoth, Superv. Arch., Treasury Dept., Washington, D. C., for the construction of a post office at Idaho Falls: Sound Construction & Engineering Co., Seattle, Wash., (a) $82,049, (b) $81,049, (c) $80,549; R. E. Campbell, Salt Lake City, (a) $84,452, (b) same; J. H. Wiese, Omaha, Neb., (a) $89,765; Welch Bros. & Hannaman, Oakland, Calif., (a) $94,716; Dieter & Wenzel Construction Co., Wichita, Kan., (a) $91,000, (b) $96,000; Palmberg & Mattson, Astoria, Ore., (a) $91,450, (c) $93,450; Fisher & Aitken, Idaho Falls, Idaho, (b) $96,000. The building will be two stories and basement, ground area 5525 sq.ft., first floor fireproof, stone and brick facing and composition roof. Noted June 11.

✚Building—Fort Worden, Wash.—Contracts have been awarded for constructing buildings at Fort Worden, Wash., as follows: Four brick sets officers' quarters, general construction, ECKMAN & MAWATT, Seattle, Wash., $22,965, plumbing, $2474, heating, $2000, wiring and fixtures $800; two frame double sets non-commissioned officers' quarters, CARLSON & SON, Seattle, Wash., general construction, $8686, heating, $480, wiring and fixtures, $760.

★Machinery and Valves—Seattle, Wash.—Bids will be received until noon, Aug. 10, by Maj. J. B. Cavanaugh, Corps Engrs., U. S. A., for machinery and valves for Lake Washington Canal Locks. Noted July 2.

Naval Supply Base—Berkeley, Calif.—The U. S. Government is negotiating for 325 acres of land on the bay shore and tide lands between Gilman St. and Point Isabella, to erect a $10,000,000 naval supply base for the Pacific Coast. A refrigerating plant, docks, storehouses and warehouses are among the improvements.

✚Post Office—Chico, Calif.—The contract for the construction of the post office at Chico has been awarded to B. J. DUFFY, Davis, Calif., at $76,980. Noted May 7.

✚Post Office—Hanford, Calif.—The contract for the construction of the post office at Hanford has been awarded to FRANK GALLEGHER, 180 Jessie St., San Francisco, at $52,990. Noted May 14.

Lumber, Creosoted Ties, Etc.—Panama—Bids will be received until 10:30 a.m., July 24, by Maj. F. C. Boggs, Gen. Pur. Officer, Isthmian Canal Com., for furnishing lumber, creosoted ties, copper tubing, bolts, washers, galvanized wire, chisels, cable clips, twist drills, files, etc. at Panama.

✚Steel Forgings—Philippine Islands—The contract for furnishing steel forgings for the Philippine Islands, has been awarded to the BETHLEHEM STEEL CO., at $29,780. Noted Apr. 23.

Substations, Etc.—Panama—Bids will be received until 10.30 a.m., Aug. 7, by Maj. F. C. Boggs, Corps Engrs., U. S. A., Washington, D. C., for furnishing two 44,000-volt substations at Darien and Gamboa.

MISCELLANEOUS

✚Shed—Everett, Mass.—The contract for a storage shed for the New England Gas & Coke Co. on Beachmont St. has been awarded to the BERLIN CONSTRUCTION CO., Berlin, Conn. at $10,000. It will be of brick and reinforced concrete, 50x70 ft.

Repairing Pier—New York, N. Y.—(Borough of Manhattan)—The New York Submarine Contracting Co., Inc., 130 Pearl St., New York, submitted the lowest bid, at $19,908, for repairing a portion of the pier and approach at West 96th St., Manhattan. Bids were opened July 2.

Canal Terminal—Oswego, N. Y.—H. S. Kerbaugh, Inc., 6 Church St., New York, has submitted the lowest bid to Duncan W. Peck, State Supt. Pub. Wks., Albany, for constructing the Barge Canal terminal at Oswego, at $348,684.

Bath-House—Syracuse, N. Y.—The city plans to construct a bath-house to cost $15,000. Bids will be asked soon by the Board of Contract and Supply. R. D. Roney is Secy. Bd.

✚Stable—Utica, N. Y.—John C. Gregory, 127 Broad St. Utica, has awarded the contract to GRIFFITH & PIERCE, Utica, for constructing a stable to cost $10,000.

Fire Apparatus—Camden, N. J.—The City Council plans to issue $70,000 in bonds to purchase motor-driven fire apparatus.

Park Improvements—Passaic, N. J.—The City Commissioners plan to improve the parks at a cost of $20,000. Colin R. Wise is City Engr.

★Boilers—Trenton, N. J.—(Official)—Bids will be received by the Comptroller, State House, Trenton, until noon, Aug. 4, for replacing two boilers in the State House. For details see advertisement under "Contracts To Be Let."

Fire Station—Lancaster, Penn.—The Borough plans to construct a fire station to cost $10,000. I. Carpenter is City Engr.

✚Dam—Reading, Penn.—The city has awarded the contract to W. H. DECHANT, Baer Bldg., Reading, for constructing Antietam Dam, at $16,000.

Elimination of Grade Crossings—Scranton, Penn.—The Delaware & Hudson Co. has retained John I. Riegel, Engr., Scranton, to prepare plans for the elimination of grade crossings on its line in Scranton. Estimated cost, $1,000,000.

Wharves and Docks—Southport, Fla.—See item under Railways: Alabama-Bay City, Lynn Haven & Northern R.R.

✚Wharf—Baton Rouge, La.—The Standard Oil Co. has awarded the contract to DOULUTT & WILLIAMS, New Orleans, La., for constructing a 500-ft. addition to its wharf at Baton Rouge.

Docks.—New Orleans, La.—The Louisville & Nashville R.R., the Alabama-Great Southern R.R., the New Orleans & Northeastern Ry., and the Illinois Central R.R. plan to construct coal docks at New Orleans. C. Dougherty, Cincinnati, Ohio, is Ch. Engr., A. G. S. R.R.

✚Levee Work—New Orleans, La—The State Board of Engineers, New Orleans, has awarded contracts as follows: For constructing the Whiskey Chute Levee, 65,000 cu yds. to R. L. LEONARD, at 37c. per cu.yd.; for constructing the Veancluse South Levee, 130,000 cu. yds., to H. T. VAN TASSEN, at 19.9c. per cu. yd.

✚Levee Work—New Orleans, La.—The Orleans Levee Board opened bids July 7 for levee work. The Fifth District work, Camus to Aurora, levee, 125,000 cu.yd., was awarded to the LOUISIANA CONSTRUCTION CO. at 15.2c. per cu.yd. or about $20,000. The Orleans work, 154,000 cu.yd. were awarded to J. M. SULLIVAN at 18.88c. or about $27,000.

✚Ditches—Jackson, Tenn.—Drainage District No. 1 of Madison County has awarded the contract to the SWAMP DREDGE CO., Tupelo, Miss., for constructing 12 miles of ditches. The work calls for 1,250,000 cu.yd ,of excavation.

Drainage District No. 2 of Madison County plans to award contracts soon for 4½ miles of ditch work, and Drainage District No. 3 for 14 miles of ditch work. The Patton Engineering Co., Jackson, is in charge of the engineering work.

Harbor Development—Cleveland, Ohio—The city is considering the development of the outer harbor. Robert Hoffman is City Engr.

Park Buildings—Columbus, Ohio—J. A. Jones, Arch., Columbus, is preparing plans for shelter houses and recreation buildings for Franklin Park. Estimated cost, $25,000.

Fish Hatchery—Put-in-Bay, Ohio—The Agricultural Commission, Columbus, has approved plans for the proposed state fish hatchery at Put-in-Bay. Estimated cost, $15,000.

Wall—Indianapolis, Ind—Bids will be received by the County Commissioners, Indianapolis, until July 17, for constructing a retaining wall along the south and east banks of Fall Creeek.

Park—Tipton, Ind.—Cooper & Dunn, Landscape Archs., State Life Bldg., Indianapolis, Ind., are preparing plans for the proposed new park in Tipton. F. B. Fox is Chn. Park Bd.

CONTRACT PRICE

Sewer—Chicago, Ill.—Bids were received by John McGillen, Clk., Sanitary District of Chicago, June 25, for constructing the North Shore Intercepting Sewer, under Contract No. 3, from (A) Nash Bros., Chicago; (B) Nash-McDowdle Co., Chicago; (C) Henry C. Ulen, Chicago; (D) Marquette Construction Co., Chicago. The item bids were as follows:

SEWER, CHICAGO, ILL., NORTH SHORE INTE. CEPTING SEWER, CONTRACT NO. 3

	A	B	C	D
3530 lin.ft. sewer, 36 in. ovoid, concrete	$11.00	$11.75	$11.00	$10.25
3530 lin.ft. sewer, 36 in. ovoid, brick	11.50	11.50	.....	10.25
8250 lin.ft. sewer, 33 in. ovoid, concrete	9.15	13.00	9.20	9.75
8250 lin.ft. sewer, 33 in. ovoid, brick	9.60	12.50	.....	9.75
6413 lin.ft. sewer, 30 in. ovoid, concrete	8.85	15.00	8.90	9.95
6413 lin.ft. sewer, 30 in. ovoid, brick	9.00	13.50	.....	9.95
4212 lin.ft. sewer, 24 in. circular, vitrified tile, concrete backing	10.00	15.00	10.00	11.70
4212 lin.ft. sewer, 24 in. circular reinforced concrete pipe, concrete backing	10.00	16.00	.....	14.50
2930 lin.ft. sewer, 18 in. circular, vitrified tile, concrete backing	8.70	9.00	8.75	11.00
2390 lin.ft. sewer, 18 in. circular, reinforced concrete pipe, concrete backing	8.70	9.50	.....	14.00
470 lin.ft. vitrified tile pipe, 12 in	3.75	5.00	3.75	9.10
110 lin.ft. vitrified tile pipe, 9 in., with concrete backing	3.80	5.00	3.75	9.00
9 manholes, concrete	105.00	90.00	110.00	70.00
9 manholes, brick	115.00	80.00	110.00	70.00
430 lin.ft. manholes, concrete, standard No. 2	15.00	700.00	15.00	5.00
430 lin.ft. manholes, brick, standard No. 2	17.00	675.00	15.00	8.00
Special manhole at Willow St., concrete (lump sum)	320.00	150.00	325.00	150.00
Special manhole at Willow St., brick (lump sum)	350.00	130.00	325.00	150.00
Special manhole at Pine St., concrete (lump sum)	350.00	155.00	350.00	150.00
Special manhole at Pine St., brick (lump sum)	400.00	140.00	350.00	150.00
Special manhole at North Ave., concrete (lump sum)	350.00	160.00	350.00	155.00
Special manhole at North Ave., brick (lump sum)	400.00	145.00	350.00	155.00
Special manhole at Krieger St., concrete (lump sum)	350.00	155.00	350.00	155.00
Special manhole at Krieger St., brick (lump sum)	350.00	140.00	350.00	155.00
Special manhole at Adams St., concrete (lump sum)	350.00	155.00	350.00	150.00
Special manhole at Adams St., brick (lump sum)	350.00	140.00	350.00	150.00
Special manhole at Milton Ave., concrete (lump sum)	500.00	155.00	750.00	235.00
Special manhole at Milton Ave., brick (lump sum)	500.00	140.00	750.00	235.00
2 special manholes at Crescent Drive, concrete (lump sum)	500.00	600.00	1025.00	270.00
2 special manholes at Crescent Drive, brick (lump sum)	500.00	550.00	1025.00	280.00
Special manhole at Ravine under Downing Ave. bridge, concrete (lump sum)	75.00	155.00	70.00	135.00
Special manhole at Ravine under Downing Ave. bridge, brick (lump sum)	75.00	140.00	70.00	140.00
Special manhole at Ravine near Downing Ave. bridge, concrete (lump sum)	215.00	155.00	220.00	135.00
Special manhole at Ravine near Downing Ave. bridge, brick (lump sum)	215.00	140.00	220.00	140.00
Special manhole on Sheridan Road opposite Downing Ave., concrete (lump sum	290.00	155.00	280.00	135.00
Special manhole on Sheridan Road opposite Downing Ave., brick (lump sum)	290.00	140.00	280.00	140.00
Special manhole onoSheridan Road at Hazel Ave., concrete (lump sum)	150.00	120.00	175.00	145.00
Special manhole on Sheridan Road at Hazel Ave., brick (lump sum)	150.00	106.00	175.00	150.00
Special manhole at Hazel and Longwood Aves., concrete (lump sum)	100.00	155.00	125.00	135.00
Special manhole at Hazel and Longwood Aves., brick (lump sum)	100.00	140.00	125.00	140.00
500 lin.ft. 6-in. tile underdrains	1.00	0.40	375.00	0.50
Portable field office, wood construction (lump sum)	375.00	125.00	400.00	350.00
Portable field office, steel construction (lump sum)	400.00	150.00	400.00	450.00
5 cu.yd. additional excavation in open cut	0.75	0.75	0.75	0.75
5 cu.yd. additional excavation in tunnel	3.00	3.00	3.00	3.00
5 cu.yd. additional concrete, Class A	8.50	8.50	8.50	8.50
3 cu.yd. additional concrete, Class B, open cut	8.00	8.00	8.00	8.00
3 cu.yd. additional concrete, Class B, in actual tunnel	9.00	9.00	9.00	9.00
5 cu.yd. additional brickwork	9.00	9.00	9.00	9.00
100 lb. reinforcing steel	0.05	0.05	0.05	0.05
10 M. ft. b.m.	20.00	20.00	20.00	20.00
1 M. ft. b.m.	25.00	25.00	25.00	25.00
1 cu.yd. rock excavation	3.00	3.00	3.00	3.00
Extended totals for concrete sewer	$248,276	$637,308	$249,988	$266,987
Extended totals for brick sewer	$255,896	$607,029	.....	$287,276

✚Fire Apparatus—Detroit, Mich.—The city has awarded the contract to the AHRENS-FOX CO., Cincinnati, Ohio, for furnishing fire apparatus.

Fire Station—Gwynn, Mich.—The town plans to construct a fire station to cost $15,000. Charlton & Kuenzli, Camp Bldg., Milwaukee, Wis., are the Archs.

Pumps—Carrollton, Ill.—See item under "Water Supply and Irrigation."

✚Ditches—Carrollton, Ill.—Hartwell Drainage & Levee District has awarded the contract to R. H. & G. A. McWILLIAMS, Steger Bldg., Chicago, Ill., for 208,000 cu.yd. of ditches, at $22,000.

Ditch—Gridley, Ill.—Bids will be received until 10 a.m., July 30, by Gridley Township Drainage District, Gridley, for a ditch calling for the excavation of 41,210 cu.yd. The Harman Engineering Co., Peoria, Ill., is Engr.

Levee Work—Jacksonville, Ill.—Bids will be received until July 29 by the Commissioners of Meredosia Lake Drainage and Levee District, at the office of the Jacksonville Engineering Co., Jacksonville, for constructing about 174,433 cu.yd. of levee and 1500 cu.yd. of ditches.

Drainage District Work—Pekin, Ill.—(Official)—Bids will be received until 11 a.m., July 24, by the Commissioners of Spring Lake Drainage and Levee District, at the office of J. M. Powers, Atty., Pekin, for the following work: (1) A marine railway for transferring boats across the drainage district levee, including the foundations, tracks, structural steel work and gasoline engine driven power plant; (2) a girder draw-bridge and an I-beam highway bridge; (3) a sheet piling spillway with brush and rock apron.

Park—St. Charles, Ill.—The citizens will vote July 23 on the proposition to issue $90,000 in bonds for a new park. John Olson is Mayor.

Ditches, Rock Excavation—Dancy, Wis.—Bids will be received until July 18, by H. M. Jones, Comr. Dancy Drainage District, for constructing 15 miles of ditches and for 8000 cu.yd. of rock excavation.

Stable and Silos—Oconomowoc, Wis.—Bids are being received by Fernekes & Cramer, Archs., Pabst Bldg., Milwaukee, Wis., for constructing a stable and two silos for Fred Pabst at Oconomowoc. Estimated cost, $20,000.

Drainage—Clinton, Iowa—The County Commissioners plan to drain 80 square miles of land in Clinton County.

Ditch—International Falls, Minn.—Bids will be received until 10 a.m., July 17, by the County Commissioners, International Falls, for constructing Ditch No. 12. The work calls for 175,983 cu.yd. of excavation. Estimated cost, $35,957.

Fire Station—Virginia, Minn.—Plans are nearly completion for the fire station for the city. It will be two stories and basement, 38x88 ft. Estimated cost, $10,000. James Stickney is Fire Chf.

Drainage Bonds—Cape Girardeau, Mo.—Little River Drainage District has sold $4,250,000 in bonds to complete the drainage of 500,000 acres of land in the district.

Drainage—Arkansas—Plans are being prepared by the St. Francis Valley Engineering Co., Osceola, Ark., for 60 miles of drainage ditches in Mississippi County, Ark. Estimated cost, $240,000.

Drainage—Judsonia, Ark.—(Official)—Bids will be received until noon, July 20, by the Commissioners of Overflow Drainage District of White County, at Judsonia, for drainage work involving 594,700 cu.yd. of excavation. C. M. Erganbright is Chn. Comrs.

✚Ditches and Levee—Lake City, Ark.—The Commissioners of Drainage District No. 12 of Craighead County have awarded the contract to W. CRUMPECKER, Morehouse, Mo., for 498,000 cu.yd. of ditches, at 7.4c. per cu.yd., and 42,840 cu.yd. of levee, at 20c. per cu.yd.

Comfort Stations—Dallas, Tex.—The city plans to construct two underground comfort stations at the intersection of Ervay, Elm and Live Oak Sts.

✚Storage Tanks—Sabine, Tex.—The Magnolia Petroleum Co. has awarded the contract to the WARREN CITY TANK & BOILER CO., Warren, Ohio, for constructing steel oil storage tanks of 55,000-bbl. capacity at Sabine.

Drain—Bellingham, Wash.—C. M. Adams, County Engr., Bellingham, has completed plans for the Ed Brown Drain. Estimated cost, $25,000.

Bulkhead—Seattle, Wash.—A. H. Dimock, City Engr., has submitted plans to the Board of Public Works for a bulkhead to be constructed along the east margin of the East Waterway. Estimated cost, $27,000.

✚Dredging—Portland, Ore.—The city has awarded the contract to A. C. V. PERRY, Portland, for dredging about 100,000 cu.yd. at Dock No. 1.

✚Coaling and Sand Station—Portland, Ore.—The Oregon-Washington R.R. & Navigation Co. has awarded the contract to T. W. SNOW & CO., Ellsworth Bldg., Chicago, Ill., for constructing a coaling and sand station, at $30,000.

✚Tunnel Work—Los Angeles, Calif.—The Board of Public Works has awarded the contract for paving and draining the Third St. Tunnel to BRYANT & AUSTIN, Los Angeles, at $11,894.

✚Road Rollers—Los Angeles, Calif.—The city has awarded the contract to the BUFFALO STEAM ROLLER CO., for three steam road rollers, at $10,500.

✚Levee Work—Marysville, Calif.—The Trustees of Reclamation District No. 10 of Yuba County have awarded the contract to BAYLESS BROS., Gridley, Calif., for levee work to be done in Yuba County under the $100,000 bond issue.

Wharf—Monterey, Calif.—The City Council is considering the construction of a municipal wharf to cost $200,000.

Fire Apparatus—Napa, Calif.—The city is considering an issue of $12,000 in bonds for fire apparatus.

Vessels—Oakland, Calif.—The San Francisco & Oakland Rys. Co. has rejected the bids received for constructing two steamers. Moore & Scott, San Francisco, submitted the lowest bid at $305,000.

✚Fire Apparatus—Sacramento, Calif.—The city has awarded the contract to the AHRENS-FOX CO., Cincinnati, Ohio, for furnishing fire apparatus.

Elevators—Sacramento, Calif.—Bids will be received by W. F. McClure, State Engr., until July 30, for the installation of elevators in the California State Library, Capitol Bldg., Sacramento.

✚Levee Work—Yuba City, Calif.—The Directors of Reclamation District No. 1 have awarded contracts for raising the levee in the district as follows: Sect. 1, 90,000 cu.yd., to F. D. GROH, at 23c. per cu.yd.; Sect. 2, to H. W. HEIKEN.

Extension to Breakwater—Negropoint, N. B.—Bids will be received until Aug. 26 by R. C. Desrochers, Secy. Dept. Pub. Wks., Ottawa, Ont., for constructing an extension to the breakwater at Negropoint.

CONTRACT PRICE

✚Sewers and Sewage Disposal Works—West Haven, Conn.—Bids were received June 24 by the Board of Selectmen for constructing sewers and a sewage disposal plant from (A) CAULDWELL-WINGATE & ATLANTIC CONSTRUCTION & SUPPLY CO. (awarded contract for sewage disposal works); (B) ROBERT D. DAILY & THOMAS F. MAHER (awarded contract for sewers); (C) John W. Heller; (D) Connecticut Engineering & Contracting Co.; (E) Mason & Hilton; (E) B. D. Pierce & Co.; (G) Hanscom Construction Co. The item bids were as follows:

SEWERS AND SEWAGE DISPOSAL WORKS, WEST HAVEN, CONN.

	A	B	C	D	E	F	G
64,805 lin.ft. 8-in. vitrified sewer pipe 0-6 ft. deep	$0.47	$0.44	$0.45			$0.48	$0.52
70,150 lin.ft. 8-in. vitrified sewer pipe 6-8 ft. deep	0.51	0.54	0.55			0.58	0.60
5240 lin.ft. 8-in. vitrified sewer pipe 8-10 ft. deep	0.64	0.75	0.75			0.78	0.90
850 lin.ft. 8-in. vitrified sewer pipe 10-12 ft. deep	0.86	0.97	1.25			0.80	1.29
4540 lin.ft. 10-in. vitrified sewer pipe p-6 ft. deep	0.56	0.54	0.60			0.63	0.63
8645 lin.ft. 10-in. vitrified sewer pipe, 6-8 ft. deep	0.64	0.69	0.70			0.75	0.65
930 lin.ft. 10-in. vitrified sewer pipe 8-10 ft. deep	1.00	0.86	0.90			0.80	1.08
1960 lin.ft. 12-in. vitrified sewer pipe 0-6 ft. deep	0.60	0.61	0.67			0.65	0.77
1830 lin.ft. 12-in. vitrified sewer pipe 6-8 ft. deep	0.64	0.80	0.85			0.81	0.87
550 lin.ft. 12-in. vitrified sewer pipe 8-10 ft. deep	0.75	0.91	1.40			1.25	1.22
815 lin.ft. 15-in. vitrified sewer pipe 0-6 ft. deep	0.79	0.75	1.00			0.75	1.04
3620 lin.ft. 15-in. vitrified sewer pipe 6-8 ft. deep	0.95	0.90	1.10			1.02	1.15
3920 lin.ft. 15-in. vitrified sewer pipe 8-10 ft. deep	1.10	1.60	1.60			1.17	1.48
4630 lin.ft. 18-in. vitrified sewer pipe p-6 ft. deep	1.85	1.11	1.20			1.14	1.35
4455 lin.ft. 18-in. vitrified sewer pipe 6-8 ft. deep	1.92	1.30	1.40			1.20	1.50
4255 lin.ft. 18-in. vitrified sewer pipe 8-10 ft. deep	2.15	1.50	1.80			1.55	1.74
2350 lin.ft. 18-in. vitrified sewer pipe 10-12 ft. deep	2.31	1.78	2.25			1.65	2.06
790 lin.ft. 18-in. vitrified sewer pipe 12-14 ft. deep	2.72	2.20	3.00			2.23	2.29
2300 lin.ft. 24-in. vitrified sewer pipe 0-6 ft. deep	2.50	1.90	1.80			2.04	2.05
2140 lin.ft. 24-in. vitrified sewer pip,6-8 ft. deep	2.65	2.28	2.00			2.27	2.28
2115 lin.ft. 24-in. vitrified sewer pipe 8-10 ft. deep	2.79	2.43	2.40			2.81	2.54
1275 lin.ft. 24-in. vitrified sewer pipe 10-12 ft. deep	2.90	2.63	2.75			3.00	2.90
24-in. vitrified sewer pipe 12-14 ft. deep	3.20	3.21	3.50			.....	3.21
3000 deep house connections	0.20	0.15	0.30			0.10	0.20
50 cu.yd. concrete "A"	5.50	6.00	7.00	$8.00	$8.50	8.00	7.00
50 cu.yd. concrete "B"	9.00	17.00	8.50	19.00	12.00	10.00	9.00
2000 lb. steel	0.03½	0.05	0.04	0.03	0.04	0.07	0.05
100 fill	0.25	0.25	1.00			0.60	0.50
750 manholes	34.50	40.00	34.00			44.00	38.00
160 extra ft. manholes	4.00	3.92	5.00			4.00	4.50
1 pumping station (lump sum)	5490.00	9600.00	7060.00			6560.00	
1 disposal works (lump sum)	40,645.00	79,600.00	44,985.00	47,712.00	49,700.00		
1700 lin.ft. outfall	3.30	2.63	4.00			2.00	5.00
1800 piles	0.35	1.00	0.80	0.40	0.50	0.50	0.50
550 lin.ft. 6-in. c.i. force main	0.45	1.25	1.00			1.00	1.00
Extended totals for sewers	$184,976	$182,754	$184,534			$187,165	$191,640
Extended totals for sewage disposal works	$40,645	$79,600	$44,985	$47,712	$49,700		

✚**Dredging**—Fullerton, Ont.—The town has awarded the contract to W. B. McFARLANE, Thamesford, Ont., for dredging Flat Creek Drain, at $12,130.

✚**Dredging Creek**—Gloucester, Ont.—The contract has been awarded by Gloucester Township to THOMAS FLEMMING, Ottawa, Ont., for dredging 10 miles of Finlay Creek.

✚**Harbor Improvements**—Port Hope, Ont.—The Department of Public Works, Ottawa, Ont., has awarded the contract to TOMPKINS & CUNNINGHAM, Ottawa, for harbor improvements at Port Hope.

✚**Pile Protection**—Rainy River, Ont.—R. C. Desrochers Secy. Dept. Pub. Wks., Ottawa, Ont., has awarded the contract to SIMS & BINGHAM, Ottawa, for pile protection work at Rainy River.

★**Coal and Ash Handling Apparatus**—Toronto, Ont.—(Official)—Bids will be received until noon, Aug. 18, by H. C. Hocken, Mayor and Chn. Bd. of Control for the installation of coal ash handling apparatus at the main pumping station.

Subway—Weston, Ont.—Plans have been completed for the proposed 66-ft. subway to be constructed by the Toronto Suburban Ry. Co., the Grand Trunk Ry. Co. and the city of Weston. E. A. James, Weston, is Engr.

Jetty—Steveston, B. C.—Bids will be received until Aug. 11 by R. C. Desrochers, Secy. Dept. Pub. Wks., Ottawa, Ont., for constructing Sect. 2 of the jetty at Steveston.

BUILDINGS

✚**Amherst, Mass.**—The Trustees of the State Agricultural College have awarded a contract for the erection of a $200,000 agricultural building to TYSON, WEALE & MARSHALL, Boston, Mass.

Boston, Mass.—The State Board of Education plans to build a $300,00 Normal Art Building. David Snedden is Comr.

✚**Holyoke, Mass.**—The contract for the erection of the Knights of Columbus building has been awarded to LOUIS CARREAN & SONS at $74,977. Noted July 9.

✚**Indian Orchard, Mass.**—The contract for erecting the school on Myrtle St. has been awarded by the City Property Commission to D. W. MELLEN, at $85,547. Frank J. Downey is Clk.

New Bedford, Mass.—The Steiger-Dudgeon Co. has purchased additional land adjoining the site of its proposed mercantile building, and plans are now ready for bids on a building 100x200 ft., four stories, instead of as noted in issue of May 28. George P. B. Alderman & Bro., Holyoke, Mass., are the Archs.

Pittsfield, Mass.—Plans have been prepared by Peter F. MacLaughlin, Arch., for a three-story brick building, 50x100 ft., for the Pittsfield Aerie of Eagles. The cost is estimated at $50,000.

✚**Springfield, Mass.**—The Reed Realty Trust Co. has awarded a contract to FREDERICK LEVY & CO. for a five-story, 80x120-ft. concrete apartment house. B. H. Seabury is Arch.

Worcester, Mass.—The City Council has approved of a $33,500 appropriation for a four-room addition to the West Boylston St. school and $62,000 for an eight-room addition to the Harlow St. school, from plans of John P. Kingston & Son, Archs. George C. Holcott, Supt. of Bldgs.

Wrentham, Mass.—Bids will be received until July 23 by the Trustees of the Wrentham State School for the erection of a hospital building. Albert L. Hardwood is Chn. Kendall, Taylor & Co., 93 Federal St., are the Archs.

Hartford, Conn.—From the plans prepared by A. Raymond Ellis, 36 Pearl St., bids will received until noon, July 18, for an addition to the Hartford Hospital on South Hudson St. The addition will be 138x45 ft., four stories high, of hollow brick faced with brownstone, on a concrete foundation.

Middletown, Conn.—Bids will be received soon for constructing the Middletown National Bank on Main St. The building will be of granite and marble and is estimated to cost $75,000. Walter P. Crabtree, 272 Main St., New Britain, is the Arch.

✚**New Haven, Conn.**—The contract for erecting the theater and business building at Temple and Crown Sts. for the Gordon Bros. Amusement Co. has been awarded to the DAVID H. CLARK CO., 166 Brewery St. The structure will be 180x200 ft., of brick and steel, four stories, and estimated to cost $200,000. C. H. Blackhall, 20 Beacon St., Boston, Mass., is the Arch., with L. W. Robinson, New Haven, as Associate Arch.

✚**New Haven, Conn.**—From bids which were received on July 1, the Board of Education has awarded the general contract for the addition to the high school on York Square to the DAVID H. CLARK CO., 166 Brewery St., New Haven, at $162,331. Other bids were: C. W. Murdock, New Haven, $164,385; Charles McCaul Co., Philadelphia, Penn., $169,494; Oscawana Building Co., New York, N. Y., $174,970; Lewis A. Miller, Meriden, Conn., $178,160; J. H. Hogan, New York, N. Y., $180,000. Brown & Von Beren, Chamber of Commerce Bldg., New Haven, are the Archs. Noted Jan. 8.

Stamford, Conn.—Bids will be received until July 27 by the Board of Selectmen for a school on Adams Ave. It will be two stories and basement and is estimated to cost $70,000. Emmens & Abbott, Washington Bldg., Stamford, are the Archs. Noted May 14.

Albany, N. Y.—The Mayor has signed an ordinance appropriating $60,000 for building an addition to School No. 16 and $60,000 for an addition to Schol No. 18.

Glens Falls, N. Y.—The city has voted $75,000 in bonds for the purpose of erecting a high school. Charles E. Bullard is Clk., Bd. of Education.

New York, N. Y.—(Borough of Manhattan)—Plans have been filed for a four-story brick police station, to be built at 142d St. and Brook Ave., to cost $150,000. Thain, Hewlett & Reddy, 1181 Broadway, are the Archs.

Syracuse, N. Y.—Gaggin & Gaggin, Archs., are preparing plans for a Masonic Temple to be erected by the Central City Lodge, F. & A. M., No. 305, 339 South Salina St. The estimated cost is $100,000.

Utica, N. Y.—Agne, Rushmere & Jennison, 211 Arcade Bldg., are preparing plans for an addition to the high school estimated to cost $50,000. D. J. Kelly is Clk. Bd. of Education.

Atlantic City, N. J.—The contract will soon be awarded for building a 10-story addition to the Hotel Rudolph, at New Jersey Ave. and the Boardwalk. The estimated cost is $500,000. Mann Henderer, Atlantic City, is Arch.

Flemington, N. J.—John N. Pierson & Son, Perth Amboy, have been commissioned to prepare plans for a high school, estimated to cost $52,000.

Newark, N. J.—The lowest bid submitted to the Board of Education for building the addition to the North Seventh St. school was that of the Becker Construction Co., at $66,-685. Noted June 25.

✚**Erie, Penn.**—The contract for erecting the Columbus and Gridley schools has been awarded to the E. C. GEISHARD BLDG. CO. at $325,712.

Hershey, Penn.—The Hershey Men's Club plans to erect a six-story concrete and brick building, 150x250 ft., estimated to cost $1,000,000. J. M. Brandan is Mgr. Shattuck & Hussey, Chicago, Ill.; Emlen Urban, Lancaster, and Paul Creign, Philadelphia, are Associate Archs.

Lansdowne, Penn.—The Board of Education will receive competitive plans for building a 12-room addition, including a gymnasium, to the school, estimated to cost $60,000.

Scranton, Pa.—The East Scranton Civic and Social Club contemplates erecting a clubhouse to cost about $45,000.

✚**Wheeling, W. Va.**—The contract for erecting the high school has been awarded to BELTZ & SONS CO. at $87,400.

Berkeley Springs, W. Va.—The Old Dominion Academy, formerly of Reliance, Va., which was destroyed by fire, will be rebuilt at Berkeley Springs. About $80,000 will be spent in new buildings.

✚**Miami, Fla.**—The contract for constructing a residence for Charles Deering, Chicago, Ill., has been awarded to FREDERICK T. LEY & CO., INC., 499 Main St., Springfield, Mass. The estimated cost is $1,000,000.

✚**Bessemer, Ala.**—The contract has been awarded to AGER & CLINE, Birmingham, for erecting the five-story brick building on 19th St. and Third Ave. The estimated cost is $67,000.

Pikeville, Ky.—Weber, Werner & Adkins, Cincinnati, Ohio, are preparing plans for a brick and stone school, to be erected for Pike County, at a cost of $50,000. A. W. Potter is Supt. of the Bd. of Education.

Canal Dover, Ohio—Bids will be received until July 30, by Howard & Merriam, Archs., Capital Trust Bldg., for the erection of a high school at Canal Dover. The estimated cost is $125,000.

Carthage, Ohio—(Cincinnati P. O.)—Bids will be received until noon, July 30, by Elzner & Anderson, Archs., 136 Ingalls Bldg., Cincinnati, for the erection of a building at the Longview Hospital, Carthage, Ohio.

✚**Cleveland, Ohio**—The contract for the erection of the theater at Superior Ave. and East 103d St., for the Doan Square Realty Co., has been awarded to the R. A. CURRY CO. Richardson & Yost, 354 Rockfeller Bldg., are the Archs. Noted June 4.

Plans have been prepared by Morrow & Cross, Archs., 734 Garfield Bldg., Cleveland, Ohio, for the erection of a two-story 50x100-ft. office building on Harvard Ave., for the Cleveland Ry. Co., Leader News Bldg., Cleveland, Ohio. The estimated cost is $50,000.

Cleveland, Ohio—Franz C. Warner, Arch., 718 Prospect Hippodrome Bldg., is preparing plans for the erection of a three-story college building for the Western Reserve University. The estimated cost is $100,000.

✚The general contract for the erection of the two-story and basement store and apartment building for the Madison Square Realty Co., 402 Plain Dealer Bldg., has been awarded to F. H. VOGEL, Ridge Road, Cleveland, Ohio. The estimated cost is $70,000.

Lick Run, Ohio—(Cincinnati, P. O.)—Bids will be received until 3 p.m., Aug. 4, by Frederick S. Spiegel, Pres., Board of Hospital Commissioners, for the erection of the Isolation Hospital in Lick Run, Hamilton County.

Maumee, Ohio—Bids will be received until noon, Aug. 3, by R. A. Rusk, Pres. Board of Education, for repairing the school at Maumee. Langdon & Hohly, are the Archs., 1442, Nicholas Bldg., Toledo, Ohio.

✚**Toledo, Ohio**—The general contract for the erection of the two-story and basement school at Toledo has been awarded to WALLS, BOCH & KUHLMAN CO., 409 Nasby Bldg. The estimated cost is $130,000. Noted Apr. 30.

Bessemer, Mich.—Charlton & Kunzli, Archs., Camp Bldg., have completed plans for an addition to the Gogebic County Courthouse. It will be three-stories and basement, 80x60 ft. The estimated cost is $75,000.

Munsing, Mich.—Charlton & Kuenzli, Archs., Camp Bldg., Milwaukee, Wis., are preparing plans for the erection of a Y. M. C. A. building at Munsing. The estimated cost is $65,-000.

Ladysmith, Wis.—Bids will be received until Aug. 3, by Parkinson & Dockendorff, La Crosse, Wis., for the erection of a brick and stone high school. Noted June 11.

✚**Madison, Wis.**—The general contract for the erection of the addition to the Wisconsin Telephone Co., has been awarded to the JAMES BLACK MASONRY CO., Manitowoc, Wis. The estimated cost is $50,000.

Milwaukee, Wis.—Herman J. Esser, Arch., Camp Bldg., is receiving bids for the erection of a four-story and basement, 125x200 ft. addition to the department store of Gimbel Bros. The estimated cost is $500,000.

✚**Mineral Point, Wis.**—The contract for the erection of the city hall, library and jail building has been awarded to EDWARD DONEHOE, Janesville, Wis.

Stevens Point, Wis.—Van Ryn & De Gelleke, Archs., Cassell Block, are completing plans for an addition to the State Normal School, at Stevens Point. The estimated cost is $60,000.

Superior, Wis.—Plans are being prepared by Ermien Ulrich, Arch., Euclid Bldg., for the erection of a two-story and basement asylum. The estimated cost is $80,000.

†Pittsburg, Kan.—The contract for rebuilding Russ Hall, has been awarded to J. M. LEEPER, Topeka, Kan., at $100,-000.

†Great Falls, Mont.—The contract for erection of the four-story addition to the New Park Hotel, has been awarded to C. O. JARL, at $125,000. Noted Jan. 15.

†Seattle, Wash.—The contract for the erection of the King County courthouse, has been awarded to the PUGET SOUND BRIDGE & DREDGING CO., Seattle, at $806,903. Other bids were as follows: (a) Court house, (b) two additional stories. Puget Sound Bridge & Dredging Co., (a) $806,903, (b) $321,000; Brayton Engr. Co., (a) $872,000, (b) $342,000; Sound Construction & Engineering Co., (a) $873,614, (b) $371,928; Pierson Construction Co., (a) $875,719, (b) $312,-536; Butler Construction Co., (a) $885,000, (b) $352,000; Hans Pederson, (a) $889,400, (b) $345,000; Nettleton-Bruce-Eschbach Co., (a) $906,955, (b) $345,600; McRae Bros., (a) $933,000, (b) $250,000. Noted July 9.

†The Metropolitan Building Co., has awarded to GRANT, SMITH & CO., the general contract for the erection of the 11-story building to be known as the Stuart Building. The estimated cost is $500,000.

Tacoma, Wash.—Charles B. Hurley will erect an apartment house at Tacoma to cost $100,000.

CONTRACT PRICE

†Sewage Disposal Works—Albany, N. Y.—Bids were received June 29 by the Board of Contract and Supply for constructing sewage disposal works from (A) RIVERDALE CONTRACTING CO., 37 East 28th St., New York; (awarded contract); (B) R. T. Ford Co., Rochester, N. Y.; (C) Phœnix Construction Co., 41 Park Row, New York; (D) Henry C. Ulen, Chicago, Ill.; (E) Mason Hilton & Co. and Merrill, Ruckgaber Co., New York. The item bids were as follows:

SEWAGE DISPOSAL WORKS, ALBANY, N. Y.

	A	B	C	D	E
16,500 cu.yd. excavation above elevation	$0.80	$1.00	$0.71	$1.30	$1.00
8900 cu.yd. excavation below elevation 3.0	1.70	1.50	1.35	1.30	2.00
Excavation for outfall conduit (lump sum)	6374.00	6000.00	4600.00	7000.00	7000.00
6000 cu.yd. filling ground outfall conduit (lump dum)	40.00	45.00	375.00	55.00	30.00
34,000 cu.yd. general embankment and filling	0.60	0.55	0.39	0.50	0.50
15,700 cu.yd. rolled embankment	0.80	0.60	0.625	0.75	0.75
5300 cu.yd. loam	0.55	0.60	0.81	0.70	0.50
5 acre seeding	30.00	45.00	100.00	70.00	40.00
540 sq.yd. sodding	0.30	0.30	0.60	0.35	0.30
300 cu.yd. gravel in walks	2.00	1.75	1.00	2.30	1.50
2500 cu.yd. filter material in sludge drying beds	2.30	1.75	2.50	2.50	1.50
950 cu.yd. concrete, Class A	15.00	12.00	11.75	15.00	15.00
350 cu.yd. concrete, Class B	16.80	14.00	18.00	17.00	25.00
2550 cu.yd. concrete, Class C	9.50	12.00	11.50	9.00	12.00
5450 cu.yd. concrete, Class D	8.50	10.00	11.00	8.50	12.00
2300 cu.yd. concrete, Class E	9.20	9.00	9.00	8.00	12.00
2500 cu.yd. concrete, Class F	7.50	7.40	8.50	7.50	10.00
6600 cu.yd. concrete, Class G	7.50	7.40	9.00	8.00	9.00
9200 sq.yd. plastering with cement mortar	0.40	0.60	0.50	0.40	0.50
510 sq.yd. concrete pavement	0.30	1.35	1.35	1.30	2.00
5300 lin.ft. 3-in. agricultural tile drain	0.05	0.07	0.05	0.07	0.10
380 lin.ft. 8-in. vitrified sewer pipe	0.25	0.30	0.50	0.25	0.40
500 lin.ft. 10-in. vitrified sewer pipe	0.35	0.35	0.60	0.30	0.50
150 tons c.i. pipe and spiral castings	30.00	35.00	41.00	32.00	40.00
40 tons bell and spigot spiral castings	60.00	55.00	84.00	75.00	70.00
15 tons flange special castings	60.00	75.00	144.00	90.00	100.00
8 4-in. gate valves	10.00	12.00	16.00	10.00	15.00
11 6-in. gate valves	15.00	18.00	20.00	15.00	20.00
2 8-in. gate valves	21.00	28.00	27.50	22.00	30.00
4 8-in. single seat gate valves with outside screw and yoke	21.00	40.00	30.00	25.00	35.00
64 8-in. single seat gate valves with outside boxes	30.00	30.00	36.00	30.00	30.00
4 8-in. check valves	20.00	35.00	30.00	25.00	40.00
21 valve boxes	7.00	6.00	6.00	6.00	7.00
7 fire hydrants	38.00	35.00	44.00	40.00	60.00
4 30-in. sluice gates	295.00	260.00	300.00	350.00	300.00
44 6-in. shear gates	10.00	12.00	12.00	12.00	15.00
32 10-in. slide gates	12.00	12.00	12.00	12.00	15.00
Small piping in settling tanks (lump sum)	6800.00	7685.00	6775.00	9000.00	4800.00
43,000 lb. iron castings	0.04	0.05	0.05	0.05	0.05
11,000 lb. miscellaneous steel work	0.04	0.05	0.06	0.06	0.06
500,000 lb. steel reinforcement bars	0.015	0.025	0.035	0.03	0.035
22,000 lb. tie rods and bolts	0.04	0.04	0.045	0.05	0.05
22,000 lin.ft. piling	0.40	0.30	0.25	0.60	0.45
7000M. ft. b.m. yellow pine lumber	65.00	60.00	60.00	70.00	75.00
200 stop planks (lump sum)	600.00	380.00	500.00	450.00	400.00
Each adjustable weirs	15.00	10.40	15.00	12.00	15.00
64 lin.ft. railroad track, steel ties, straight track	0.50	0.40	0.50	0.40	0.36
3100 lin.ft. railroad track, wood ties, straight track	0.75	0.90	0.75	0.50	0.60
1300 lin.ft. railroad track, wood ties, curved track	0.75	1.00	0.90	1.00	0.65
460 switches	25.00	23.25	32.00	30.00	25.00
38 tip cars	70.00	75.00	80.00	80.00	70.00
4 Royalty or settling tanks (lump sum)	3400.00	3400.00	3400.00	3400.00	3400.00
Extended totals	$284,302	$287,799	$298,888	$300,804	$331,541

*Not official.

North Bend, Ore.—George Courtney, Portland, Ore., will erect a five-story brick hotel at North Bend. The estimated cost is $100,000.

Los Angeles, Calif.—The Pohlman Leasehold Co. will erect an office building at Seventh and Grand Aves.

Merritt & James will erect a seven-story and basement reinforced concrete loft and office building at 301 East Eighth St., to cost $110,000. Ralph M. Snyder, 602 Brockman Bldg., is the Arch.

Oakland, Calif.—Edward T. Foulkes, Arch., Crocker Bldg., has prepared plans for the erection of a two-story and basement theater at 14th and Franklin Sts. The estimated cost is $75,000.

Bassano, Alta.—Bids will be received until 4 p.m., July 22, R. C. Desrochers, Dept. Public Works, for the erection of a public building at Bassano, Alta.

CATALOG NOTICES

Sullivan Machinery Co., 122 S. Michigan Ave., Chicago, Ill. Bulletin 68A. Sullivan channelers for engineering work. Illustrated, 16 pp., 6x9 in.

Cement-Gun Co., 30 Church St., New York. Pamphlet. "The Cement-Gun," apparatus, process and product. Illustrated, 106 pp., 6x9 in.

Sullivan Machinery Co., 122 S. Michigan Ave., Chicago, Ill. Bulletin 66B. Rock drill mountings and accessories. Illustrated, 36 pp., 6x9 in. Booklet No. 113. "Core Drilling by Contract." Illustrated, 32 pp., 3½x5½ in. Bulletin 63M. Ironclad coal cutters, Longwall coal cutters. Illustrated, 36 pp., 6x9 in.

The Norbom Engineering Co., Denckla Building, Philadelphia, Penn. Catalog. Hydraulic dredges and accessories. Illustrated, 48 pp., 6x9 in.

The Duff Manufacturing Co., Pittsburgh, Penn. Catalog No. 102. Jacks. Illustrated, 144 pp., 6x9 in.

Power & Mining Machinery Co., Cudahy, Wis. Catalog No. 60. International concrete mixer, Globe type. Illustrated, 36 pp., 6x9 in.

H. K. Porter Co., Pittsburgh, Penn. Catalog. Compressed-air locomotives. Illustrated, 80 pp., 6x9 in.

Bury Compressor Co., Erie, Penn. Catalog No. 44. Noiseless air compressors. Illustrated, 40 pp., 6x9 in.

Lumen Bearing Co., Buffalo, N. Y. Pamphlet. "Lesoyl." A semifluid graphite lubricant. 3½x6 in.

Portsmouth Culvert Co., Portsmouth, Ohio. Catalog. Butt-joint nestable culvert. Illustrated, 22 pp., 6x9 in.

Hammond Engineering Co., Warren, Penn. Pamphlet. Sewage Disposal. Illustrated, 6x9 in.

O. M. Weand, Reading, Penn. Catalog. Reading sewage screen. Illustrated, 18 pp., 7x10 in.

Smooth-On Mfg. Co., 572-74 Communipaw Ave., Jersey City, N. J. Smooth-On Instruction Book No. 7. Iron cement for hardening, waterproofing and oilproofing concrete. Illustrated, 64 pp., 4½x6½ in.

CONTRACT PRICE.

†Sewer System—Middletown, Conn.—Bids were received June 22 by the City Council for the construction of a sewer system for the western portion of the city, according to plans prepared by Alexander Potter, 50 Church St., New York, from (A) A. BRAZOS & SON, Middletown, (awarded contract); (B) Frank Arrigoni & Bro., Middletown; (C) Berardino & Tomassetti, Meriden; (D) Piersen Engineering & Contracting Co., Hartford; (E) Young & Hyde, Inc., New York, N. Y. The item bids were as follows:

SEWER SYSTEM, MIDDLETOWN, CONN.

	A	B	C	D	E
1000 cu.yd. loose rock excavation	$0.85	$0.95	$1.25	$2.00	$2.30
400 cu.yd. solid rock excavation	2.00	2.48	2.50	4.00	4.50
600 cu.yd. quicksand	1.50	1.50	1.50	1.50	1.50
1368 lin.ft. 8-in. sewer 6 ft. deep	0.53	0.58	0.50	0.70	0.77
6847 lin.ft. 8-in. sewer 6-8 ft. deep	0.67	0.66	0.69	0.80	0.85
2625 lin.ft. 8-in. sewer 8-10 ft. deep	0.79	0.98	0.80	0.95	1.07
455 lin.ft. 8-in. sewer 10-12 ft. deep	1.09	1.41	1.00	1.25	1.50
210 lin.ft. 8-in. sewer 12-14 ft. deep	1.45	2.04	1.50	1.50	1.80
5 lin.ft. 8-in. sewer 14-16 ft. deep	2.00	2.77	2.00	2.00	2.70
1892 lin.ft. 10-in. sewer 6 ft. deep	0.74	0.73	0.61	0.75	0.90
293 lin.ft. 10-in. sewer 6-8 ft. deep	0.85	0.75	0.72	1.00	1.05
257 lin.ft. 10-in. sewer 8-10 ft. deep	0.90	1.01	0.90	1.25	1.23
145 lin.ft. 10-in. sewer 10-12 ft. deep	1.34	1.50	1.25	2.00	1.72
100 lin.ft. 10-in. sewer 12-14 ft. deep	1.85	2.22	2.00	2.50	2.00
5 lin.ft. 10-in. sewer 14-16 ft. deep	2.25	2.86	2.25	3.00	3.00
495 lin.ft. 12-in. sewer 6 ft. deep	0.85	0.79	0.91	0.85	1.06
85 lin.ft. 12-in. sewer 6-8 ft. deep	1.00	0.87	1.00	1.10	1.22
13 lin.ft. 12-in. sewer 8-10 ft. deep	1.05	1.21	1.25	1.25	1.61
1142 lin.ft. 15-in. sewer 6 ft. deep	0.86	0.98	1.20	1.25	1.40
50 lin.ft. 15-in. sewer 6-8 ft. deep	1.00	1.06	1.50	2.00	1.67
47 manholes	49.00	52.00	60.00	45.00	58.00
7 flush tanks	76.00	84.00	80.00	70.00	120.00
100 T branches on 8-in. pipe	0.45	0.60	1.00	1.50	1.15
5 T branches on 10-in. pipe	0.75	0.90	1.00	2.00	1.60
500 lin.ft. gravel foundation	0.10	0.11	0.20	0.25	0.23
84 lin.ft. 8-in. c.i. culvert pipe	1.55	0.52	2.00	0.75	1.10
180 lin.ft. 12-in. c.i. culvert pipe	2.80	0.70	2.25	1.25	1.60
192 lin.ft. 14-in. c.i. culvert pipe	3.00	1.08	3.00	1.50	1.90
5 cu.yd. concrete masonry	8.00	8.00	8.00	10.00	9.75
10,000 ft. b.m. sheeting and timber foundation	30.00	30.00	30.00	30.00	30.00
Replacing 4620 lin.ft. macadam pavement	0.06	0.25	0.35	0.40	0.30
Replacing 1810 lin.ft. macadam pavement	0.06	0.25	0.35	0.40	0.30
Including tarvia finish	0.13	0.35	0.50	0.50	0.51
105 lin.ft. tunnel	0.13	0.35	0.50	0.50	0.51
105 lin.ft. tunnel	6.00	11.00	4.00	5.00	21.00
Expended totals	$20,196	$22,640	$23,542	$26,075	$29,781

Water System—Valley Junction, Iowa—Bids were received May 11 for the construction of a water system, according to plans prepared by the Iowa Engineering Co., Clinton, Iowa, from (A) DES MOINES BRIDGE & IRON CO., Des Moines, Iowa (awarded contract); (B) Katz Construction Co., Omaha, Neb.; (C) T. C. Brooks & Sons Co., Jackson, Mich.; (D) W. D. Lovell, Minneapolis, Minn.; (E) Alamo Engine & Supply Co., Omaha, Neb.; (F) Bash & Gray, Joplin, Mo.; (G) Rock Island Bridge & Iron Works, Rock Island, Ill.; (H) Intermountain Bridge & Construction Co., Tecumseh, Neb.; (I) J. W. Turner Improvement Co., Des Moines, Iowa.; (J) C. W. Rowland Co., Des Moines, Iowa; (K) Moffatt Co., Des Moines, Iowa. The item bids were as follows:

WATER SYSTEM, VALLEY JUNCTION, IOWA

	A	B	C	D	E	F	G	H	I	J	K
2800 lin.ft. 10-in. c.-i. pipe	$1.10	$1.08	$1.17	$1.10	$1.13	$1.20	$1.09	$1.15	$1.25	$1.15	$1.25
4660 lin.ft. 8-in. c.-i. pipe	0.75	0.86	0.90	0.80	0.86	0.89	0.85	0.76	0.95	0.88	1.00
11,300 lin.ft. 6-in. c.-i. pipe	0.65	0.66	0.65	0.70	0.64	0.66	0.576	0.64	0.70	0.66	0.75
13,000 lin.ft. 4-in. c.-i. pipe	0.52	0.54	0.52	0.60	0.475	0.55	0.505	0.54	0.54	0.50	0.55
22,000 lb. specials	0.03	0.03	0.03	0.03	0.03	0.03	.....	0.03	0.03	0.035	0.035
1 10-in. gate valve	25.00	25.00	24.00	30.00	26.00	22.50	24.00	25.00	30.00	26.00	22.50
4 8-in. gate valves	18.00	17.00	16.00	18.00	19.00	16.35	16.00	16.00	22.00	17.50	14.50
8 6-in. gate valves	10.00	12.00	10.50	10.00	12.00	11.50	11.00	12.00	15.00	11.00	10.00
14 4-in. gate valves	7.00	7.00	7.25	8.00	8.00	8.25	7.00	10.00	10.00	6.50	7.50
1 10-in. gate valve	30.00	30.00	32.00	40.00	12.00	30.50	10.00	35.00	30.00	33.00	31.00
28 valve boxes	3.00	3.00	3.00	4.00	3.50	2.95	4.00	4.00	3.00	3.00	3.00
30 6-in. hydrants	24.00	26.00	29.00	26.00	31.00	28.00	24.50	31.00	30.00	26.50	28.00
20 4-in. hydrants	24.00	26.00	28.50	26.00	29.00	26.50	24.50	30.00	26.00	26.00	27.00
100,000-gal. steel tank and tower (complete)	4,480.00	.....	4,350.00	.....	4,390.00	4,500.00	4,390.00	4,400.00	.....	4,800.00	.....
Pump house (complete) (lump sum)	1,250.00	.....	.....	.....	1,200.00	.....	5,624.00	1,600.00	.....	4,410.00	.....
Collecting well, including 200 ft. drive well (lump sum)	12,000.00	.....	.....	.....	.....	.....	.....	3,000.00	.....	.....	7.00
16 cu.yd. concrete pump foundations	8.00	8.00	.....	.....	8.00	.....	.....	10.00	.....	.....	.....
1 500,000-gal. triplex pump	.....	.....	.....	.....	1,650.00	.....	900.00	2,000.00	.....	2,350.00	390.00
1 40-hp. motor	.....	.....	.....	.....	380.00	.....	516.00	.....	.....	.....	.....
Electrical apparatus for 40-hp. motor	.....	.....	.....	.....	198.00	.....	.....	.....	.....	.....	.....
Installing 40-hp. motor and apparatus	.....	.....	.....	.....	75.00	.....	.....	.....	.....	.....	.....
Totals	$32,454	$33,333	$33,600	$33,635	$34,090	$34,100	$34,115	$34,176	$34,200	$35,316	$35,600

The Murray Iron Works Co., Burlington, Ia., purchased the property formerly occupied by the McCosh Iron & Steel Works. The company now has about 10 acres in the city and in addition a foundry at West Burlington.

The Western Engineering Specialties Co. announces the removal of its office to 523 Boston Building, Denver, Colo. C. G. Burnite is manager.

The Chicago Branch of the Keuffel & Esser Co., of New York, N. Y., manufacturers of drawing materials, surveying instruments, etc., has been moved from 68 West Madison St. to the K. & E. Bldg., 516-520 South Dearborn St., Chicago, Ill.

CONTRACT PRICE

Water System—Farmington, Maine—Bids were received Apr. 16 by the village for the construuction of a water system according to plans prepared by Green & Wilson, Engrs., Waterville, Maine, from (A) George Cuozzo Construction Co., Bangor, Maine; (B) Daniel DiPietro, Boston, Mass.; (C) John E. Palmer, Boston, Mass.; (D) L. E. Scruton, Portsmouth, N. H.; (E) John Grady & Son, Bangor, Maine; (F) F. H. Marshall, South Portland, Maine; (G) Fales & Simmons, Rockland, Maine; (H) Thomas Bruno, Boston, Mass.; (I) John J. Evans, Lawrence, Mass.; (J) H. P. Cummings Construction Co., Ware, Mass.; (K) R. W. Emerson, Pittsfield, Mass.; (L) James McGregor & Co., Rumford, Maine; (M) Light, Heat & Power Corporation, Boston, Mass.; (N) James H. Ferguson, Boston, Mass.; (O) James H. Kerr, Rumford, Maine; (P) Marshall Bros. Construction Co., South Portland, Maine; (Q) International Construction Co., Boston, Mass.; (R) Joseph Philbrook & Son, Brunswick, Maine; (S) Otto Nelson Co., Bangor, Maine; (T) Forgione & Romano, South Portland, Maine; (U) Lavoagne & DiPucchio, Rumford, Maine; (V) Noyes & Campbell, Augusta, Maine; (W) Lorello & Profenno, Portland, Maine; (X) T. F. Moreau, Lewiston, Maine; (Y) Engineer's Estimate. The item bids were as follows:

The Wemlinger Steel Piling Co., McCormick Bldg., Chicago, announces that it has made arrangements with the Underpinning & Foundation Co., 290 Broadway, New York to represent the latter exclusively in the middle west and south, and will endeavor to secure contracts especially for different foundation work.

The Strike—At the Westinghouse works has been called off by the workmen. They have been out about a month and go back without recognition of their order or increase in pay. The works are now running full time.

CATALOG NOTICES

Chicago Pneumatic Tool Co., Fisher Building, Chicago, Ill. Bulletin No. 152. "Chicago Gatling" drills. Illustrated, 24 pp., 6x9 inches. Bulletin No. 153. "Chicago Sinker." Illustrated, 20 pp., 6x9 inches. Bulletin No. 154. "Chicago Stoper." Illustrated, 24 pp., 6x9 inches.

Chain Belt Co., Milwaukee, Wis. Catalog No. 54. "Chabelco" steel chain belt. Illustrated, 32 pp., 7x10 in.

A. D. Granger Co., 90 West St., New York. Bulletin No. 2. "Oswego" internally fired water tube boilers. Illustrated, 12 pp., 8x10½ in.

Insley Mfg. Co., Indianapolis, Ind. Catalog No. 40. Contractors' equipment for handling materials in construction work. Illustrated, 48 pp., 6x9 in.

Electric Water Sterilizer Co., Scottdale, Penn. Catalog. Electric water sterilizer. Illustrated, 16 pp., 6½x9½ in.

Pennsylvania Metal Culvert Co., Warren, Penn. Catalog. American ingot iron "Armco" corrugated culverts. Illustrated, 24 pp., 7x10 in.

Simplex Wire & Cable Co., 201 Devonshire St., Boston, Mass. Booklet. Simplex steel taped cable. Illustrated, 16 pp., 6x9 in.

Mesta Machine Co., Pittsburgh, Penn. Bulletin N. Air compressors and vacuum pumps. Illustrated, 8 pp., 6x9 in.

Link-Belt Co., Chicago, Ill. Section A. Catalog No. 110. Ewart detachable link-belt and sprocket wheels. Illustrated, 112 pp., 6x9 in.

Joseph T. Ryerson & Son, Chicago, Ill. Technical Library No. 8. Concrete reinforcing. Illustrated, 16 pp., 4x7 in.

WATER SYSTEM, FARMINGTON, MAINE

	A	B	C	D	E	F	G	H	I	J	K	L
31,000 lin.ft. earth trench	$0.20	$0.18½	$0.18	$0.18	$0.18	$0.24	$0.15	$0.25	$0.23½	$0.28	$0.25	$0.30
1000 lin.ft. rock trench	1.50	2.35	2.80	0.80	2.45	1.98	2.25	1.95	1.30	2.80	2.00	1.73
32,000 lin.ft. pipe laying, 8-in. (Universal)	0.09	0.25	0.20	....	0.12	0.50	0.17	0.17	....	0.07	0.15	0.12½
32,000 lin.ft. pipe laying, 8-in. (B&S Lead)	0.10	0.11	0.13	0.21	0.16	0.14	0.24½	0.18	0.24	0.15	0.20	0.17½
32,000 lin.ft. pipe laying, 8-in. (B&S Leadite)	0.10	0.10½	0.20	....	0.14	0.25	0.24½	0.18	....	0.12	0.17	0.17½
100 lin.ft. pipe laying, 6-in. (Universal)	0.05	0.14	0.17	....	0.10	0.40	0.16	0.17	....	0.05	0.15	0.12½
100 lin.ft. pipe laying, 6-in. (B&S Lead)	0.06	0.11	0.11	0.14	0.12	0.10	0.22½	0.18	0.18	0.11	0.20	0.17½
100 lin.ft. pipe laying, 6-in. (B&S Leadite)	0.05	0.10½	0.17	....	0.11	0.20	0.22½	0.16	....	0.09	0.17	0.17½
60 lin.ft. temple stream crossing	4.00	3.50	4.00	1.50	2.00	3.00	1.00	4.00	3.25	5.00	7.00	4.50
50 lin.ft. fairbanks stream crossing	4.00	3.50	4.00	1.50	2.25	3.00	1.00	4.00	3.25	5.00	6.00	4.50
Totals for Universal pipe	$11,025	$16,484	$15,237		$12,112	$25,790	$12,466	$15,597		$14,275	$15,285	$15,618
Totals for B&S Lead pipe	11,346	12,001	12,991	13,369	13,394	14,240	14,872	15,918	16,640	16,841	16,890	17,223
Totals for B&S Leadite pipe	11,346	11,840	15,237		12,753	17,770	14,872	15,916		15,879	15,927	17,223

	M	N	O	P	Q	R	S	T	U	V	W	X	Y
31,000 lin.ft. earth trench	$0.35	$0.30	$0.29	$0.32	$0.28	.....	$0.23	$0.40	$0.40	$0.30	$0.33	$0.20	$0.20
1000 lin.ft. rock trench	2.00	2.00	2.87	1.10	0.90	2.00	4.00	3.25	2.75	3.50	3.25	2.85	1.50
32,000 lin.ft. pipe laying, 8-in. (Universal)	0.10	0.20	0.15	0.20	0.25	0.55	0.20	0.13	0.90	0.33	0.30	0.72½	0.15
32,000 lin.ft. pipe laying, 8-in. (B&S Lead)	0.15	0.20	0.19	0.22½	0.28	.....	0.27½	0.13	0.20	0.29	0.36	0.71	0.27
32,000 lin.ft. pipe laying, 8-in. (B&S Leadite)	0.12	0.20	0.17	0.20	0.28	.....	0.27½	0.13	0.22	0.31	0.40	0.69	0.23½
100 lin.ft. pipe laying, 6-in. (Universal)	0.10	0.20	0.14	0.18	0.21½	.....	0.19	0.13	0.90	0.25	0.30	0.71½	0.14
100 lin.ft. pipe laying, 6-in. (B&S Lead)	0.12	0.20	0.17	0.20	0.23	.....	0.23	0.13	0.20	0.25	0.06	0.70½	0.26
100 lin.ft. pipe laying, 6-in. (B&S Leadite)	0.10	0.20	0.15	0.18	0.22	.....	0.23	0.13	0.20	0.25	0.40	0.68½	0.22½
60 lin.ft. temple stream crossing	2.50	5.00	4.00	4.00	2.00	.....	....	10.00	13.50	12.00	7.00	9.36	4.00
50 lin.ft. fairbanks stream crossing	2.50	5.00	4.00	6.00	2.00	.....	....	10.00	12.00	12.00	10.00	9.72	4.00
Totals for Universal pipe	$16,335	$18,270	$17,114	$17,978	$17,821		$17,549	$20,923	$45,450	$24,705	$24,030	$33,449	$12,954
Totals for B&S Lead pipe	17,937	18,270	18,397	18,780	18,783	19,600	19,857	20,923	22,980	23,425	25,956	32,888	16,806
Totals for B&S Leadite pipe	16,975	18,270	17,755	17,978	18,782		19,857	20,923	23,620	24,065	27,240	32,246	15,682

✚Superstructures of Buildings—Baltimore, Md.—Bids were received June 17 by the Board of Awards for Water Contract No. 23, constructing superstructures of buildings, from (A) CONSOLIDATED ENGINEERING CO., INC., Baltimore (awarded contract); (B) Charles L. Stockhausen, Baltimore; (C) Henry Smith & Sons Co., Baltimore; (D) David M. Andrew Co., Baltimore; (E) Morrow Bros., Baltimore. The item bids were as follows:

SUPERSTRUCTURES OF BUILDINGS, BALTIMORE, MD.

Water Contract No. 23

	A	B	C	D	E
	$	$	$	$	$
Head house	35,400.00	36,137.00	38,500.00	36,500.00	34,738.00
Wash water building	17,900.00	18,067.00	18,500.00	19,000.00	17,755.00
Filter building	76,950.00	87,167.00	90,000.00	97,300.00	98,615.00
Pumping station	16,500.00	25,917.00	19,000.00	19,000.00	17,255.00
Aerator gate house	6,700.00	7,127.00	7,000.00	7,700.00	6,531.00
Center passage	9,890.00	10,067.00	10,200.00	10,200.00	10,515.00
Gate house No. 1 filtered water reservoir	1,550.00	1,567.00	1,700.00	2,000.00	2,433.00
Gate house No. 2 filtered water reservoir	1,800.00	1,875.00	1,000.00	2,000.00	1,912.00
Electrical equipment	10,500.00	11,235.00	13,000.00	10,200.00	10,900.00
Plumbing	2,600.00	2,370.00	2,750.00	2,200.00	2,453.00
Tile floors	825.00	937.00	1,100.00	1,000.00	770.00
Laboratory finish	1,350.00	1,70.00	1.000,00	1,000.00	1,768.00
Alberene tables and benches	1,475.00	1,580.00	1,000.00	700.00	812.00
Refrigerating plant	2,350.00	2,340.00	2,400.00	2,200.00	.....
Freight elevator	2,250.00	2,300.00	2,400.00	2,200.00	2,299.00
Bucket elevator	2,300.00	1,950.00	2,900.00	2,500.00	2,100.00
Trolley system	3,000.00	2,940.00	3,500.00	2,300.00	3,870.00
Ventilating system	1,000.00	1,050.00	1,500.00	1,000.00	1,160.00
Vacuum cleaners	2,000.00	2,087.00	2,100.00	2,000.00	2,100.00
Lime tanks, troughs and screens	2,550.00	1,620.00	2,800.00	3,500.00	2,611.00
60000 lin.ft. iron pipe railing, per lin.ft.	0.52		0.65	0.50	0.65
740 sq.yd. concrete walks, per sq.yd.	1.35		2.00	1.00	1.09
Concrete steps	150.00	270.00	200.00	350.00	160.00
Extended totals	$201,599	$223,643	$226,580	$227,090	$225,113

Unfilled Orders of Steel Corporation—A slight gain was made in the unfilled orders on the books of the United States Steel Corporation, according to the statement made July 10. The increase for June was 34,000 tons.

Period—	tonnage Unfilled	Period—	Unfilled Tonnage
May 31, 1914	3,998,160	Jan. 31, 1911	3,110,919
Apr. 30, 1914	4,277,068	Dec. 31, 1910	2,674,757
Mar. 31, 1914	4,653,825	Nov. 30, 1910	2,760,413
Feb. 28, 1914	5,026,440	Oct. 31, 1910	2,871,949
Jan. 31, 1914	4,613,680	Sept. 30, 1910	3,158,106
Dec. 31, 1913	4,282,108	Aug. 31, 1910	3,537,128
Nov. 20, 1913	4,396,347	July 31, 1910	3,970,931
Oct. 31, 1913	4,513,767	June 30, 1910	4,257,794
Sept. 30, 1913	5,003,785	Mar. 31, 1910	5,402,514
Aug. 31, 1913	5,223,468	Dec. 31, 1909	5,927,031
July 31, 1913	5,399,356	Sept. 30, 1909	4,796,833
June 30, 1913	5,807,317	June 30, 1909	4,057,939
May 31, 1913	6,324,322	Mar. 31, 1909	3,542,595
Apr. 30, 1913	6,978,762	Dec. 31, 1908	3,603,527
Mar. 31, 1913	7,468,956	Sept. 30, 1908	3,421,977
Feb. 28, 1913	7,656,714	June 30, 1908	3,313,876
Jan. 31, 1913	7,827,368	Mar. 31, 1908	3,765,843
Dec. 31, 1912	7,932,164	Dec. 31, 1907	4,642,553
Nov. 30, 1912	7,852,883	Sept. 30, 1907	6,425,008
Oct. 31, 1912	7,594,381	June 30, 1907	7,603,878
Sept. 30, 1912	6,551,507	Mar. 31, 1907	8,043,858
Aug. 31, 1912	6,163,375	Dec. 31, 1906	8,489,718
July 31, 1912	5,957,079	Sept. 30, 1906	7,936,884
June 30, 1912	5,807,346	June 30, 1906	6,809,584
May 31, 1912	5,750,983	Mar. 31, 1906	7,018,712
Apr. 30, 1912	5,664,885	Dec. 31, 1905	7,605,086
Mar. 31, 1912	5,304,841	Sept. 30, 1905	5,865,377
Feb. 29, 1912	5,454,200	June 30, 1905	4,829,655
Jan. 31, 1912	5,379,721	Mar. 31, 1905	5,579,560
Dec. 31, 1911	5,084,761	Dec. 31, 1904	4,696,203
Nov. 30, 1911	4,141,955	Sept. 30, 1904	3,027,436
Oct. 31, 1911	3,694,328	June 30, 1904	3,192,277
Sept. 30, 1911	3,611,317	Mar. 31, 1904	4,136,961
Aug. 31, 1911	3,695,985	Dec. 31, 1903	3,215,123
July 31, 1911	3,584,085	Sept. 30, 1903	3,278,742
June 30, 1911	3,361,058	June 30, 1903	4,666,578
May 31, 1911	3,113,187	Mar. 31, 1903	5,410,719
Apr. 30, 1911	3,218,704	Dec. 31, 1902	5,347,523
Mar. 31, 1911	3,447,301	Sept. 30, 1902	4,843,007
Feb. 28, 1911	3,400,543	June 30, 1902	4,791,993

✚Dyke—Greater Winnipeg Water District, Winnipeg, Man.—Bids were received by the Commissioners of the Greater Winnipeg Water District, May 15, for constructing a dyke for the Falcon River Diversion from (A) TOMLINSON & FLEMING, Toronto, Ont., (awarded contract); (B) Siems Carey Co., St. Paul; (C) C. W. Sharp & Son, Winnipeg; (D) Janse Bros., Boomer & Hughes, Calgary; (E) W. Newman Co., Winnipeg; (F) William Scott, Winnipeg; (G) P. G. Dunn, Moose Jaw; (H) Northern Construction Co., Winnipeg; (I) C. G. Anderson, Winnipeg. The item bids were as follows:

DYKE, WINNIPEG, MAN.

Greater Winnipeg Water District

	A	B	C	D	E	F	G	H	I
7000 cu.yd. stripping	$0.30	$0.65	$0.20	$0.60	$0.75	$0.25	$0.50	$0.43	$0.60
233,100 cu.yd. material in dyke	0.27½	0.33	0.37	0.40	0.40	0.46	0.35	0.43	0.35
5200 cu.yd. dressing	0.50	0.33	0.45	0.90	0.80	0.50	0.85	1.00	0.40
10,300 cu.yd. rip-rap in place over slope	2.40	2.00	1.26	2.50	2.00	2.00	2.50	3.25	2.05
7500 cu.yd. rip-rap in place over brush	2.60	2.00	1.47	2.50	2.00	1.75	2.25	3.25	2.05
1280 sqs. of 100 sq.ft. brush mattress in place	4.10	3.75	2.50	2.00	10.00	3.00	1.50		4.50
5000 cu.yd. material excavated and loaded in cars	0.30	0.33	0.25	0.40	0.25	0.30	0.40	0.20	0.26
2000 cu.yd. material excavated and reserved	0.30	0.33	0.20	0.40	0.50	0.45	0.40	0.43	0.32
Extended totals	$96,205	$106,069	$104,615	$130,670	$125,500	$134,576	$118,055	$143,778	$110,920

EXPANSION OF THE ELECTRICAL INDUSTRY

The present estimates are that $1,200,000,000 per annum, or $4,000,000 per working day, will be required to meet the increasing business of the gas, electric light and traction business of the United States, says W. H. Gardiner, of Henry L. Doherty & Co., New York, according to the Journal of Commerce, who adds:

"The public regulation of public utilities and common carriers by state commissions has grown to an extent perhaps not generally realized. In 15 states there are public service commissions having full jurisdiction over all utilities. In eight other states these commissions have full jurisdiction, except as to capitalization. In eight other states they have limited jurisdiction over railroads and some city utilities. In twelve other states they have supervision of carriers and of some telephone and telegraph companies, leaving only two states—Utah and Wyoming—without as yet any established form of state regulation of public utilities and carriers.

"For thirty-odd years the most plenipotentiary commission has existed in Massachusetts.

"The fundamental duties of the plenipotentiary public service commission are threefold, the impartial supervision and regulation of the public service corporations in all matters affecting the good of their present or prospective customers, their supervision in such matters as concern the interests of investors in public utility securities, and the sound and proper guidance of public opinion, through published reports and otherwise, of the real conditions affecting public service corporations.

"As each new commission has been inaugurated, the first above mentioned consideration has usually been most prominently in mind, but as each new commission gets deeper and deeper into its work, it realizes that in hitherto unappreciated ways the ultimate interests of the public served, and of the public service corporation, are parallel, if not identical, instead of being antagonistic.

"For instance, the demand on the part of the public for additional public service, such as gas, electric light and power, traction, etc., has more than doubled in this country during the past decade, and those most intimately conversant with the business expect that it will more than double on its present volume during the coming decade. But when the public demands more service, it means that more plant and distributing lines have got to be provided to furnish that service. This means that additional capital has got to be induced to invest in the business to furnish this additional equipment.

"The deepest students of the public utility situation today recognize that probably its most important problem is that of obtaining this additional capital at as reasonable terms as possible. For the gas, electric light and traction business of the United States, the present estimates are that this additional capital required amounts to about $1,200,000,000 per annum, or $4,000,000 per working day of new capital required during the next five years; incidentally, an amount equal to or greater than the total new capital requirements of all the railroads of the United States.

"The more advanced public service commissions and other students of this situation have for some time recognized that it is vastly more important in the interest of the public that the public service corporations get this additional capital required at as reasonable interest rates as possible than that the present rates for gas or electric light or traction service be reduced to their bare bone minimum, or that the capital situation of any public utility be standardized on any particular academic par value basis. They recognize this because they have imagination enough to realize what a tremendous public calamity it would be if the public utility companies were not able, because of overdrastic public regulation, to get ay of this additional capital required to meet the growing demand for service.

"What, for instance, would it mean to this country if from now on no new building could be furnished with electric light, and no new suburb could be served with new electric railways? Such a failure would be a vastly greater public loss than any present immediate public gain by a reduction of 5, 10 or 15% in the present rates for public service. In conclusion, it is obvious that a business which during the past decade has doubled its volume or grown twice as fast as the railroad business of the country has, a business which has maintained its earnings and dividends during the recent years of general depression, and which has such prospects of additional public demands for additional public service, is not only in a healthy internal condition, but is in the peculiar condition where the interests of the public in the immediate future will be best served by the continuance of this reasonable business prosperity, enabling the public utility operators to get the necessary moneys to keep their facilities up to public demands."

Aerial Tramway—A Spanish company, incorporated at Bilboa, Spain, with Canadian headquarters in Toronto, has obtained concessions from the Niagara Falls Power Commission to construct and operate an aërial tramway across the whirlpool rapids at Niagara Falls. The span across the gorge will be 1180 ft., the longest of its kind in the world, and will be utilized for passenger traffic. The car will be suspended by six huge cables. The company already operates a similar tramway at San Sebastian, Spain.

Contracts to Be Let

Bids received until July 28, 1914.

Barge Canal Improvements

STATE OF NEW YORK
OFFICE OF SUPERINTENDENT OF PUBLIC WORKS
Albany, June 29th, 1914.

NOTICE TO CONTRACTORS:—

Sealed proposals will be received by the undersigned at his office in the Capitol at Albany, N. Y., until twelve o'clock noon of Tuesday, July 28th, 1914, at which place and hour they will be publicly opened and read, for improving the New York State canals pursuant to the provisions of Chapter 147 of the Laws of 1903, and of the amendments thereto, as follows:

—1—

CONTRACT NO. 119.
Erie Canal—Section 2.

For furnishing and driving a quantity of steel sheet piling, extending the concrete apron and performing all incidental work connected therewith at Movable Dam Five at Rotterdam, N. Y.

Sheets 1 and 2.

—2—

CONTRACT NO. 120.
Erie Canal—Sections 2 and 3.

Reinforcement of the superstructures of the following seven movable dams over the Mohawk River:

Dam 5 at Rotterdam, Station 1662 + 45, Erie canal.
Dam 6 at Cranesville, Station 1987 + 79, Erie canal.
Dam 7 at Amsterdam, Station 2201 + 46, Erie canal.
Dam 8 at Tribes Hill, Station 2443 + 17, Erie canal.
Dam 9 at Yosts, Station 2954 + 64, Erie canal.
Dam 10 at Canajoharie, Station 3370 + 50, Erie canal.
Dam 11 at Fort Plain, Station 3553 + 85, Erie canal.

Sheets 1 to 15 inclusive.

Plans may be seen and detailed specifications, engineer's estimate of quantities, proposal blanks, form of contract and bonds required and other information for proposers may be had at the office of the Superintendent of Public Works at Albany, N. Y., at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y., at the office of the Assistant Superintendent of Public Works for the Western Division at Rochester, N. Y., and at the canal office, Spaulding's Exchange, Buffalo, N. Y.

Copies of detailed plans or drawings may be obtained from the State Engineer and Surveyor at Albany, N. Y., upon payment to him of the cost of producing them.

Monthly estimates will be paid of ninety per centum (90 per cent.) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the City of Albany or New York, issued by a national or State bank in good credit within the state and payable at sight to the Superintendent of Public Works for five per centum (5 per cent.) of the amount of the proposal.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bonds, the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time, in which case the amount of the deposit will be refunded by the Superintendent of Public Works.

The deposits of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The amount of bond required for faithful performance will be ten per centum (10 per cent.) of the amount of the estimated cost of the work according to the contract price, and an additional bond, known as the labor bond, in the sum of ten per centum (10 per cent.) of the amount of the estimated cost of the work according to the contract price, will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

In the event that more than one surety company is offered as surety on said bonds, co-insurance only will be accepted.

Each proposal must be addressed to the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award, if made, will be made to the person or persons whose proposal shall be lowest in cost to the State for doing the work, and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Superintendent of Public Works of his ability to provide suitable equipment and materials for the proper performance of the work.

The right is reserved to reject all proposals and readvertise and award the contract in the regular manner if, in the judgment of the undersigned, the interests of the State will be enhanced thereby.

DUNCAN W. PECK,
Superintendent of Public Works.

Bids received until Aug. 8, 1914.

Power House, etc.

NOTICE TO CONTRACTORS.—Sealed proposals for construction of Power House, including boiler plant piping and conduits, plumbing and electric work; construction, heating, plumbing and electric work for five cottages and dormitory; sewerage and sewage disposal plant and water supply works, for the New York State School of Agriculture on Long Island near Farmingdale, N. Y., will be received by Dr. Franklin W. Hooper, Secretary of the Board of Trustees, 30 Lafayette Avenue, Brooklyn, N. Y., until 10 o'clock a.m. on Saturday, August 8, 1914, when they will be opened and read publicly. Bids will be received for each division of the work separately and no combination of bids will be considered. Proposals shall be submitted on the blank form and in sealed envelope addressed to the Secretary, furnished by the State Architect. This envelope shall also contain certified check in the sum of 5% of the amount of bid. Each contractor to whom an award is made will be required to furnish surety company bond in the sum of 50% of the amount of contract within thirty (30) days after official notice of award of contract and in accordance with the terms of specifications Nos. 1930, 1931, 1932, 1933, 2010, 2012, 2014, 2013, 2015, 1901 and 1902. The right is reserved to reject any or all bids. Drawings and specifications may be consulted and blank forms of proposal obtained at the office of Dr. Franklin W. Hooper, 30 Lafayette Avenue, Brooklyn, N. Y., at the office of Mr. A. A. Johnson, Director, Farmingdale, N. Y., and at the office of the State Architect. In applying for plans and specifications, each bidder must state which part of the work, such as construction, heating, plumbing and electric work, he intends to bid. On and after July 14, 1914, drawings and specifications and blank forms of proposal may be obtained at the office of the State Architect upon deposit of a certified check (or cash) in the sum of ten dollars ($10.00) made payable to the State of New York, for each part of the work, which check, or cash, will be returned if plans and specifications are sent back in good order to the State Architect.

LEWIS F. PILCHER, State Architect.

Contractors

BIDS OPENED JULY 24, 1914,

for the construction of Section No. 5 of Routes Nos. 4 and 36, a part of the Broadway-Fourth Avenue subway.

A two-track railroad in the Borough of Manhattan, connecting the Broadway subway with the Queensboro bridge and extending from Seventh Avenue to Fifth Avenue, where the two tracks diverge, one continuing through 59th and the other through 60th Street to Second Avenue.

Write or call concerning plans, form of contract and specifications.

PUBLIC SERVICE COMMISSION FOR THE FIRST DISTRICT
154 Nassau Street New York City.